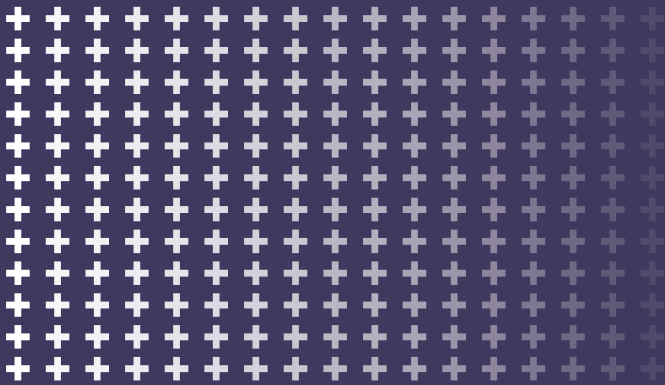


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- C 14 QUICK SELECTION TABLES
- C 19 LINED ONE SIDE
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- C 42 QUIET STUD
- C 57 STAGGERED STUD
- C 73 TWIN STUD

STEEL STUD WALLS



INTRODUCTION

DESCRIPTION

USG Boral Steel Stud Wall systems consist of single or multiple layers of plasterboard, screw fixed to one or both sides of light gauge Rondo C-stud or QUIET STUD® framing.

DESIGN OPTIONS

Steel stud wall systems outlined in this manual provide Designers and Builders with a wide range of options to suit project specific requirements in regard to fire rating, acoustic isolation, water resistance and impact resistance. A large number of hybrid systems have been included, providing cost effective solutions when impact and/or water resistance requirements differ on each side of the wall.

Steel Stud Wall Systems are available in non-fire rated configurations with acoustic ratings up to $R_w+C_{tr} = 62$ ($R_w=68$) and in fire rated configurations up to Fire Resistance Level -/240/240 (180/180/180) and acoustic ratings up to $R_w+C_{tr} = 70$ ($R_w=78$).

The following types of Steel Stud Wall Systems are outlined in this manual:

- Lined One Side
- Lined Both Sides
- QUIET STUD
- Staggered Stud
- Twin Stud.

MATERIALS

PLASTERBOARD LININGS

- 10mm SHEETROCK Brand Wall Board
- 13mm SHEETROCK Brand Standard plasterboard
- 10mm/13mm Regular plasterboard
- 10mm/13mm/16mm Fiberock
- 10mm/13mm Soundstop plasterboard
- 10mm/13mm Impactstop plasterboard
- 13mm/16mm Firestop plasterboard
- 13mm/16mm Multistop plasterboard
- 25mm Shaftliner plasterboard.

INSULATION

Glasswool

- 50mm, 75mm and 90mm Pink® Partition 11kg/m³ by Fletcher Insulation.

Polyester

- 50mm, 75mm and 90mm polyester insulation 14kg/m³ density
- TSB2 by Tontine Insulation (or equivalent).

STEEL FRAMING

USG Boral steel stud wall systems utilise Rondo framing as outlined below:

Lipped C-studs

Lipped C-studs are available in a number of sizes and Base Metal Thicknesses (BMT):

STUD SIZE mm	BASE METAL THICKNESS (BMT) mm			
	0.50	0.55	0.75	1.15
51	•		•	
64	•		•	•
76		•	•	•
92		•	•	•
150			•	•

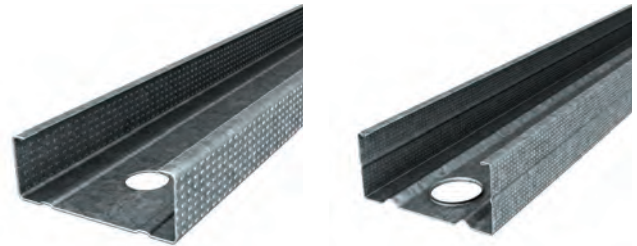


Figure C1: Rondo Lipped C-studs

QUIET STUD®

Rondo QUIET STUD is available in 92mm size and 0.55mm or 0.75mm BMT (lead times apply).

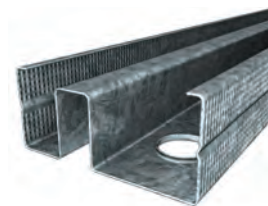


Figure C2: Rondo QUIET STUD®

» INTRODUCTION

Wall Tracks

Rondo Wall Tracks are available in the following sizes and Base Metal Thicknesses:

TABLE C2: RONDO WALL TRACKS			
STUD SIZE mm	BASE METAL THICKNESS (BMT) mm		
	0.50	0.70	1.15
51	●	●	
64	●	●	●
76	●	●	●
92	●	●	●



Figure C3: Wall Track

Deflection Head Tracks

Deflection head tracks are available in the following sizes and Base Metal Thicknesses:

TABLE C3: RONDO DEFLECTION HEAD TRACKS				
STUD SIZE mm	BASE METAL THICKNESS (BMT) mm			
	0.50	0.70	0.75	1.15
51		●		
64	●	●		●
76	●	●		●
92	●	●		●
150			●	●

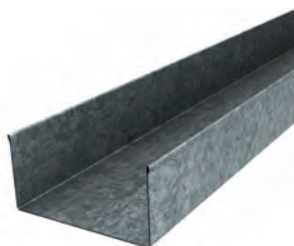


Figure C4: Deflection Head Tracks

Screws

For screw types suitable for various lining configurations and steel stud BMT's refer to General Information — Materials.

DESIGN CONSIDERATIONS

MAXIMUM HEIGHTS

Wall heights for non load bearing walls must be within the maximum heights as set out in the maximum wall height tables for various systems.

Maximum heights for non load bearing steel framed walls have been provided for 0.25kPa lateral pressures and are based on L/240 deflection criteria set out in the BCA. Refer also to Notes to Maximum Height Tables below

NOTES TO MAXIMUM HEIGHT TABLES

General

- Limiting Factor Symbols:
 - s = permissible strength limits
 - d = deflection limits
 - h = head track capacity limits
 - f = fire height limits
 - sl = slenderness ratio limits.
- Where 2d appears, deflection limits the design and 2 rows of equally spaced noggings are required. Similarly 2s means strength controls the design and 2 rows of equally spaced noggings are required.
- Fire height limit (f) does not apply if fire resistant linings are used in non fire rated walls. Refer USG Boral for maximum wall heights in such situations.
- Minimum yield stress of steel sections to be 270MPa.
- Deflection limit is height/240 to a maximum of 30mm (for walls generally).
- Maximum slenderness ratio $l/r = 300$.
- Wall heights tabled are for single piece Rondo lipped C-studs at maximum centres shown.
- Wall heights tabled are for non-load bearing walls and account for self weight and lateral pressures stated.
- Shelf loading is not permitted for the tabulated maximum wall heights. Refer USG Boral for maximum heights with shelf loadings.
- Tabulated heights are for internal walls only. Refer to USG Boral if walls are subject to external pressures.
- For fire service, 50Pa pressure assumed. Where pressures are greater than 50Pa and fire loadings are likely to be coincident, USG Boral should be consulted.
- All plasterboard is to be manufactured by USG Boral.
- Walls are to be constructed to USG Boral standard C-Stud fire rated or screw-fixed non-fire rated wall details as appropriate but with 300mm maximum screw centres.

» INTRODUCTION

Head Track Capacities

Systems Lined Both Sides

- Wall heights tabled are calculated using standard head track reaction capacities as follows:

TABLE C4: STANDARD HEAD TRACK REACTION CAPACITY kN

TRACK BMT mm	PLASTERBOARD					
	1x10	1x13	1x16	2x10	2x13	2x16
0.55	0.40	0.60	0.90	0.40	0.60	0.90
0.75	0.40	0.60	0.90	0.40	0.60	0.90
1.15	0.40	0.60	0.90	0.40	0.60	0.90

Notes:

- 10mm max clearance at top of stud, board
- Wall head to Rondo detail TDS/03-103 dated 20th May 1998.

- The tabulated heights have not been checked for a deflection head track requirements as outlined below.
- Where greater vertical deflection capacity is required, Rondo deflection heads may be used with allowable head track reaction capacities as follows:

TABLE C5: DEFLECTION HEAD TRACK REACTION CAPACITY kN

TRACK BMT mm	PLASTERBOARD					
	1x10	1x13	1x16	2x10	2x13	2x16
0.75	0.40	0.44	0.44	0.40	0.44	0.44
1.15	0.40	0.60	0.90	0.40	1.03	1.03

Notes:

- 20mm max clearance at top of stud, board
- Wall head to Rondo detail TDS/03-107 dated 20th May 1998.

- Alternative head track installations must be checked in accordance with Rondo head track capacity tables.
- The allowable head track reactions noted above, rely on the plasterboard for restraint and must be installed strictly in accordance with Rondo details.
- Alternatively – select connections from Rondo tables TDS/03-101 for standard track and TDS/03-105 for deflection head.
- Plasterboard to be fixed to both sides of the wall frame to the full nominal height of the wall exclusive of any allowance for soffit deflection.
- At least one mid height row of noggings is required on all walls 3600mm and higher, additional rows of noggings may be included in the wall frame to maintain stability during construction.
- The nogging track requirements may be omitted if the linings stop within 100mm from the soffit.

- Detailed seismic analysis requires site/building specific parameters and has not been performed, however, tabulated wall heights comply with AS 1170.4 clause 5.2.1, category 3, provided that:
 - the walls have been designed for 0.25kPa pressure (minimum)
 - the walls including attachments have a total mass (Gc) not exceeding 100kg/m²
 - acceleration $a \leq 0.08$
 - Site Factor $S \leq 2.0$
 - $a_x \leq 2.0$
 - $a_c \leq 1.0$
 - $C_{cl} \leq 0.9$
 - $I = 1.0$

Systems Lined One Side

TABLE C6: WALL HEAD/BASE DESIGN

WALL CONSTRUCTION	CLEARANCE	REACTION CAPACITY
Twin stud, Head track	10mm max clearance at top of stud, board	Reaction capacity, refer to Rondo TDS/03-102
	20mm max clearance at top of stud, board	Reaction capacity, refer to Rondo TDS/03-106
Twin stud, Base track	(Studs hard down into track)	Reaction capacity, refer to Rondo TDS/03-108
Staggered Stud	30mm max clearance at top of stud, board	Reaction capacity at head and base: 0.47kN

Notes for staggered stud only:

- Top Hat track to USG Boral detail 209710-A
- min 13mm plasterboard.

For other reaction capacities refer Rondo or USG Boral.

Nogged wall frames with board to one side only (ie twin stud walls) require one row of noggings/nogging track 100mm max below soffit and other noggings as below:

TABLE C7: NOGGINGS

WALL HEIGHT	ROWS OF NOGGINGS
Up to 3000mm	One row noggings/nogging track at mid height
3000mm to 6000mm	Two rows noggings/nogging track at third points of height
6000mm to 8000mm	Three rows noggings/nogging track at quarter points of height

» INTRODUCTION

LOAD BEARING WALLS

A load bearing wall is a wall that is intended to resist vertical forces additional to those due to its own weight.

Maximum loads for load bearing non-fire rated steel stud walls can be determined by the normal structural design. Maximum wall heights for load bearing fire rated steel stud walls can be similarly determined by structural design, however an appropriate lining must be used to provide fire protection to the wall frame as outlined below.

The following wall types with board to each side of single stud or twin stud wall may be used as load-bearing fire rated walls achieving the FRLs stated under the conditions listed below:

FIRESTOP OR MULTISTOP WALL LINING		FIRE RESISTANCE LEVEL	FIRE ATTACK DIRECTION
SIDE 1	SIDE 2		
1x13mm	1x13mm	30/30/30	Both sides
1x16mm	1x16mm	60/60/60	Both sides
2x13mm	2x13mm	90/90/90	Both sides
2x16mm	2x16mm	120/120/120	Both sides

Conditions:

- All joints to be backed by nogging or studs. Elsewhere nogging to be provided at 1200mm maximum centres.
- Bracing to be provided within the wall as required by structural design ignoring plasterboard contribution.
- Frame to be designed by an appropriately qualified Structural Engineer and shall comply with AS/NZS 4600: *Cold-formed steel structures*.
- Any structure providing support, including lateral support, to the load bearing fire rated wall must have an FRL of at least that of the wall.
- Stud splicing not allowed.
- Otherwise wall to be lined to standard USG Boral non-load bearing fire rated details.

Refer Rondo for load bearing wall details.

SHELF LOADS

Walls that carry shelf loadings must be designed accordingly. Refer to Rondo Design Manual for permissible shelf loadings for non fire rated steel stud walls. Refer to USG Boral for design of fire rated steel stud walls with shelf loadings.

PENETRATIONS

Penetrations in a fire rated system must be treated strictly in accordance with relevant test reports and approved installation details in order to maintain the system's Fire Resistance Level.

Where components by others are specified in USG Boral fire-rated penetration details (ie. dampers, GPO's, fire collars, etc), such components must be installed in accordance with the manufacturer's specifications. It is the responsibility of the component manufacturer to ensure that the fire rating performance of the system is not affected.

» INTRODUCTION

INSTALLATION

USG Boral steel stud wall systems must be assembled strictly in accordance with the details and specifications outlined in this manual in order to achieve stated Fire Resistance Levels and acoustic ratings.

NOTE:

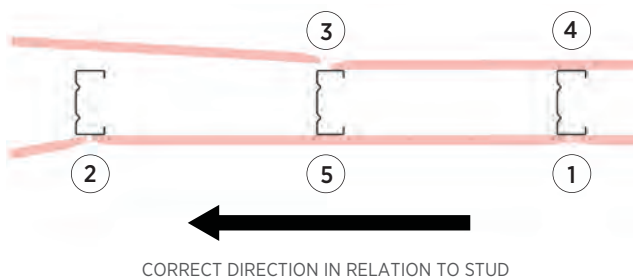
Where proprietary products have been tested in USG Boral systems by other manufacturers, reference should be made to the product manufacturer's specifications for details of tested designs and related Standards.

INSTALLATION AND FASTENING SEQUENCE

Unlike rigid timber framing, light gauge steel studs are prone to flexing and twisting when driving fasteners to secure plasterboard sheets.

The first plasterboard sheet installed at a joint should be fixed to the open side of a stud flange. Additional sheets are then installed in the direction toward the closed side of the stud web.

When installing the first side, screw-fasten the plasterboard sheets to studs at edges only, as illustrated in Figure C5 (positions 1 and 2). Then, on the second side, fasten the edge (position 3) followed by intermediate studs (position 4). Return to the first side and fasten sheets to previously unattached studs (position 5).



CORRECT DIRECTION IN RELATION TO STUD

Figure C5: **Correct Fastening Sequence**

The correct direction of sheet installation is in the direction from the open side of the stud to the closed side of the stud web (Figure C5). The first sheet installed at a joint is screwed to the flange at the open side of the stud. The flange will initially deflect then straighten as the screw pulls tight. Ensure that the stud is adequately supported to avoid twisting, and fully screw this sheet to the stud before continuing.

The next sheet is now screwed to the flange at the closed side of the stud. The deflection on this part of the flange is very small, and the previously installed sheet helps keep the assembly rigid during the installation of the second sheet.

If fixed correctly the result is a flat joint with no lipping. The correct installation sequence is illustrated in Figure C6 below:

Do fix plasterboard sheets in the direction from the open side of the stud to the closed side of the stud:

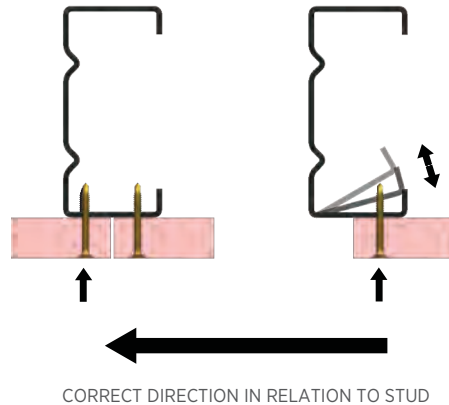


Figure C6: **Correct Fastening Sequence Detail**

LAYING OUT

- Accurately mark wall layouts.
- Always check individual measurements against overall site dimensions.
- Align the top and bottom tracks accurately according to the plan layout. Attach at ceiling and floor to structural elements.
- Use suitable fasteners for anchoring top and bottom tracks. Locate fasteners at 50mm from each end and spaced at maximum 600mm centres along each track.

FRAMING INSTALLATION

- For studs in fire rated walls up to 3000mm high, cut studs nom 15mm short of the floor-to-ceiling height to allow 15mm expansion gap at top.
- For studs in walls higher than 3000mm, allow 5mm gap per 1000mm of height for expansion. Allowance should be made for possible deflection of floor/roof structure over walls.
- Studs may be boxed together to provide greater frame strength. Studs are usually boxed to frame door and other openings and to support heavy fixtures on the partition.
- Studs in fire rated partitions are not to be fastened to top tracks except boxed studs at fire door openings which should be pop riveted to the tracks. When framing openings, secure both flanges of boxed studs to the tracks, using pop rivets (refer to Junctions and Penetrations section Figure J19).

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- In addition to noggings specified in the maximum heights notes, noggings are required as headers above doorways, for reinforcement behind fixture attachments, and where special circumstances require additional stiffening of the frame. (Noggings are formed from lengths of steel track, approximately 100mm longer than the stud spacing. Cut the track flanges at approximately 45 degrees and bend the track ends at right angles to fit between the studs. Position and fasten with stud crimper, or with pop rivets for fire door application).

PLASTERBOARD APPLICATION

- Plasterboard linings can be installed vertically or horizontally in fire rated and non-fire rated wall systems. Refer Figures C7–C15 for optional plasterboard configurations in steel stud wall systems.
- If no deflection requirement exists, cut plasterboard sheets to provide 10mm maximum gap at floor and ceiling (refer to Junctions and Penetrations section for typical head and base details).
- Centre abutting vertical sheet edges on stud flanges. Refer to Table C9 for minimum joint offsets.
- Fasten plasterboard sheets to steel framing with appropriate screws as outlined in General Information section. Place screws 10mm–16mm from sheet ends and edges UNO. Do not fasten plasterboard to top and bottom tracks in fire rated systems. Sheets should be installed by advancing in the direction of the stud web (refer Figures C5 and C6).
- Refer to Table C10 for maximum screw spacings. Refer Figures C9–C11 for screw layouts in multiple layer fire rated steel stud systems.

TABLE C9: MINIMUM JOINT OFFSETS (mm)		
LINING LAYER	VERTICAL JOINTS	HORIZONTAL JOINTS
Inner/single layers on opposite sides or Adjacent layers on same side	One stud spacing (300mm min)	300

TABLE C10: MAXIMUM SCREW SPACING (mm)			
LINING LAYER	INTERMEDIATE STUDS	VERTICAL EDGES	INTERNAL/EXTERNAL CORNERS AND AROUND OPENINGS
Outer/single layer	300	200 (stagger screws in abutting sheets)	200
Inner layers	600	600	600

JOINTING AND FINISHING

- Finish all joints and internal and external corners in face layers with the appropriate USG Boral jointing system (refer to USG Boral Plasterboard Installation Manual). Joints and junctions in inner layers of multiple layer systems are not required to be stopped.
- Paper tape must be used in fire rated and wet area systems.
- Stop exposed fasteners on face layers.

CAULKING

Caulk perimeter gaps and penetrations in fire rated and acoustic walls with H.B. Fuller Firesound sealant (refer details in Junctions and Penetrations section).

DECORATING

Apply paint or other decorative finishes as required. Refer to USG Boral Plasterboard Installation Manual for recommendations on decoration of plasterboard.

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WALL CONSTRUCTION NOTES

- Steel stud wall systems are non load bearing unless noted otherwise.
- Wall systems should not be used where conditions of constant excessive moisture or humidity are prevalent ie, in excess of 90% relative humidity.
- Movement joints should be put at building construction joint locations. Control joints should be spaced at not more than 12 metre maximum centres.
- All approved fire rated penetrations must be installed and caulked in accordance with details provided in this manual. Components by others must be installed in accordance with manufacturer's specifications and test reports.
- Fire rated systems must be assembled strictly in accordance with relevant test reports, opinions, approved system details and specifications.
- Steel Studs in fire rated partitions are not to be fastened to top and bottom tracks except boxed studs facing fire door openings, in which case the boxed studs are pop riveted to the tracks.
- Steel wall framing must be constructed to Rondo specifications and spaced at 600mm centres maximum.
- Components must not be used if fractured or damaged.
- Butt joints to be backed by stud or nogging for fire rated systems.
- Mid span nogging is recommended for erection purposes for steel stud walls greater than 3600mm.

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PLASTERBOARD INSTALLATION – FIRE RATED WALLS

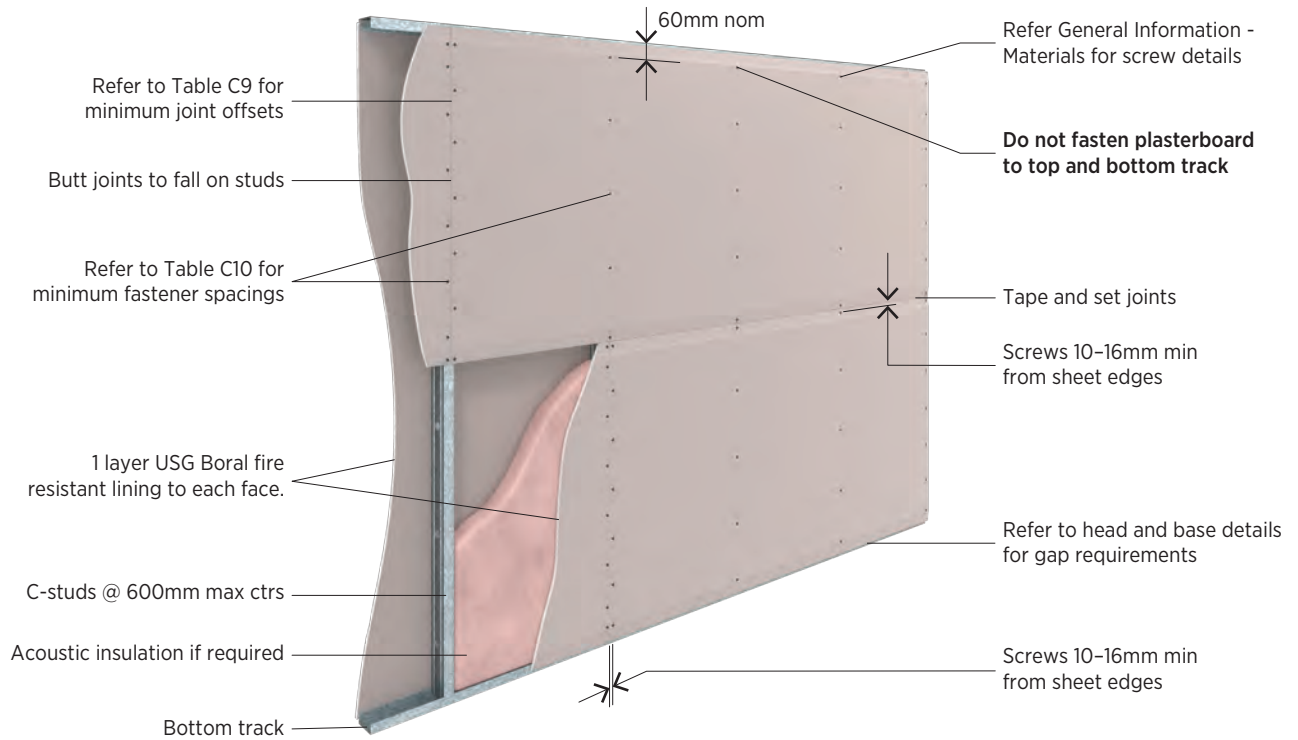


Figure C7: Fire Rated Steel Stud - Horizontal Fixing - Single Layer

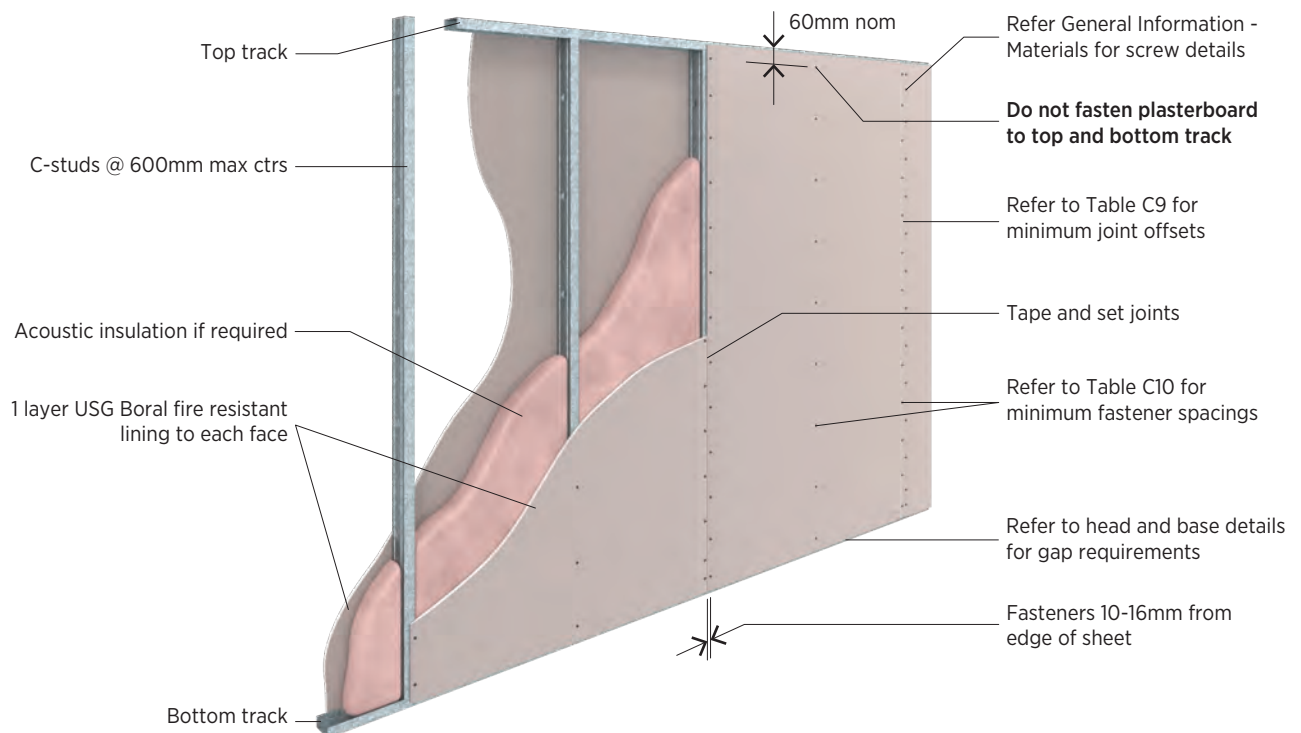


Figure C8: Fire Rated Steel Stud - Vertical Fixing - Single Layer

» INTRODUCTION

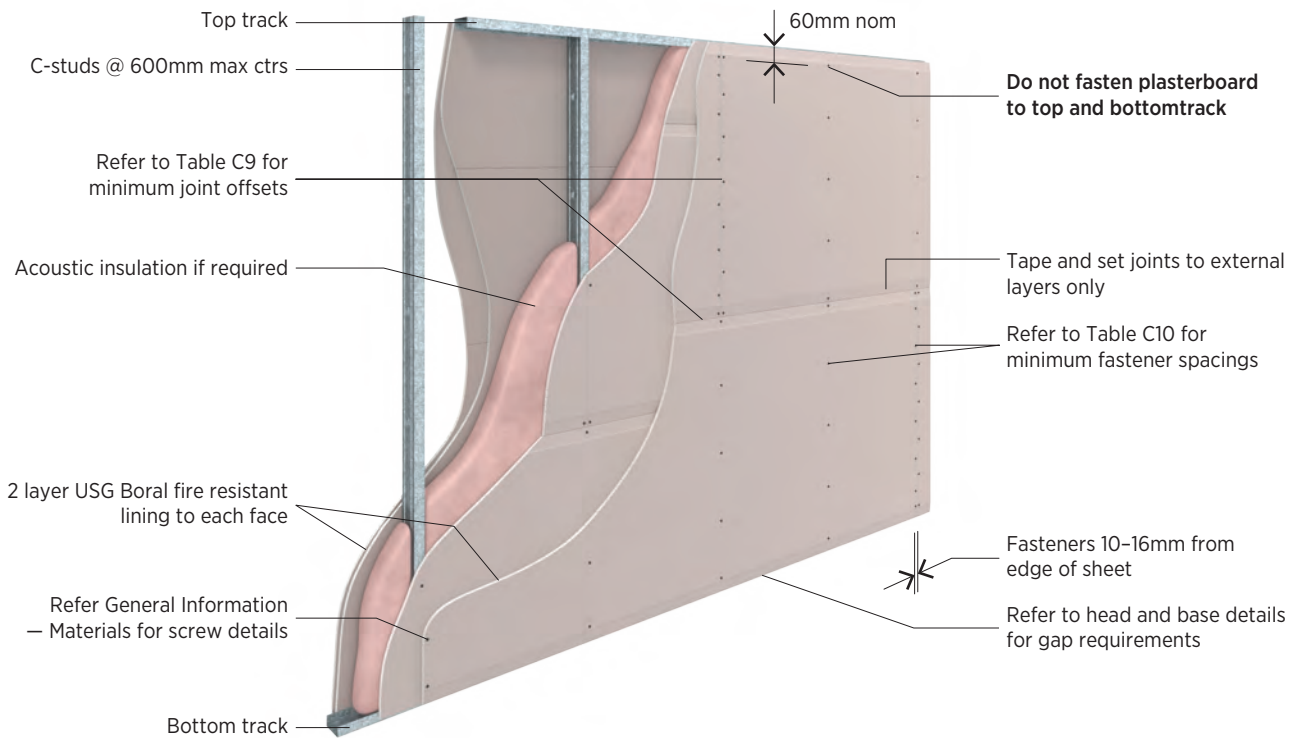


Figure C9: Fire Rated Steel Stud - Horizontal Fixing - Multiple Layer

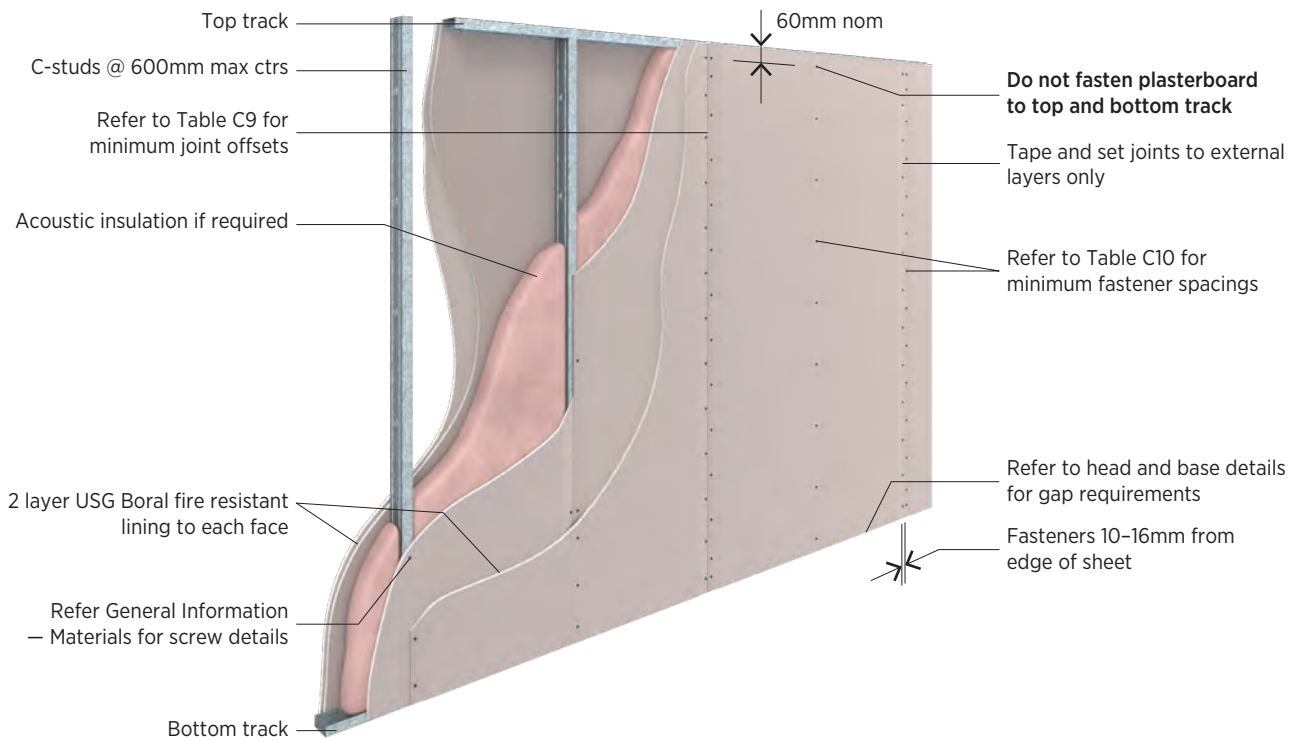


Figure C10: Fire Rated Steel Stud - Vertical Fixing - Multiple Layer

» INTRODUCTION

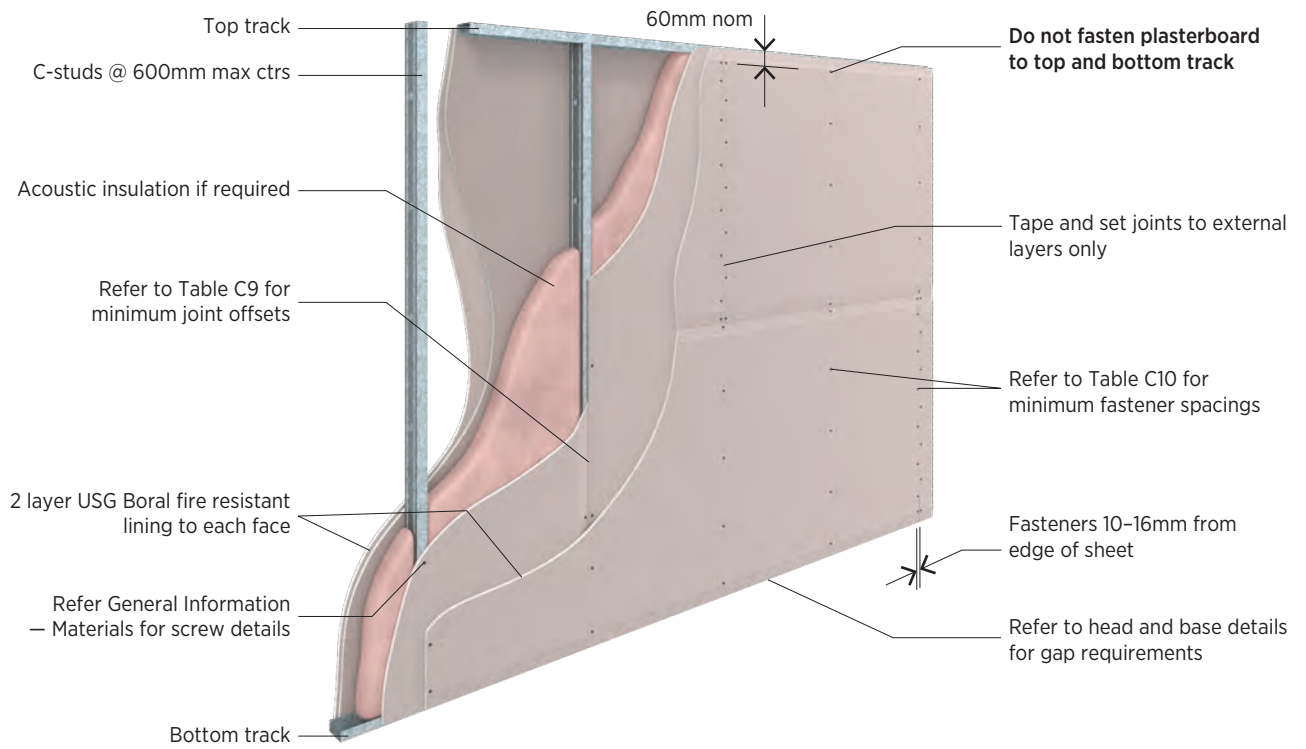


Figure C11: Fire Rated Steel Stud – Mixed Orientation – Multiple Layer

» INTRODUCTION

PLASTERBOARD INSTALLATION – NON-FIRE RATED WALLS

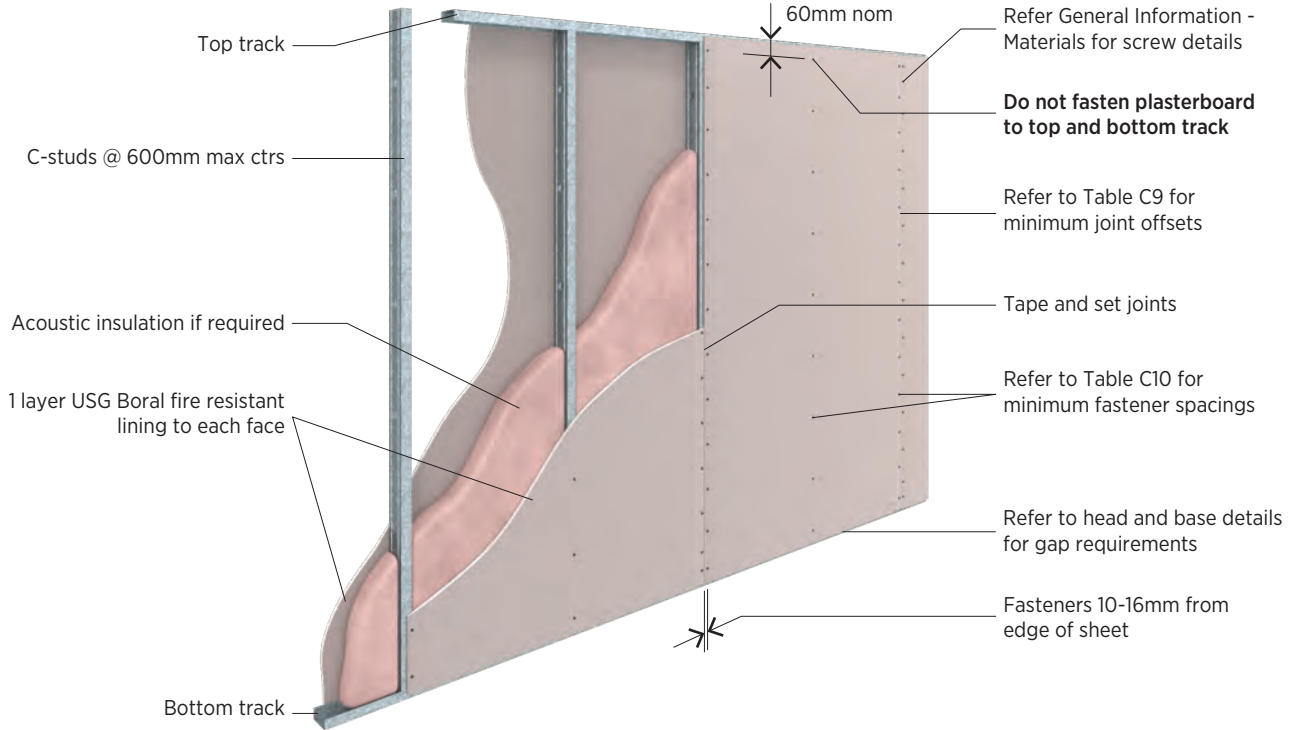


Figure C12: **Non-Fire Rated Steel Stud – Vertical Fixing – Single Layer (fully screw fixed)**

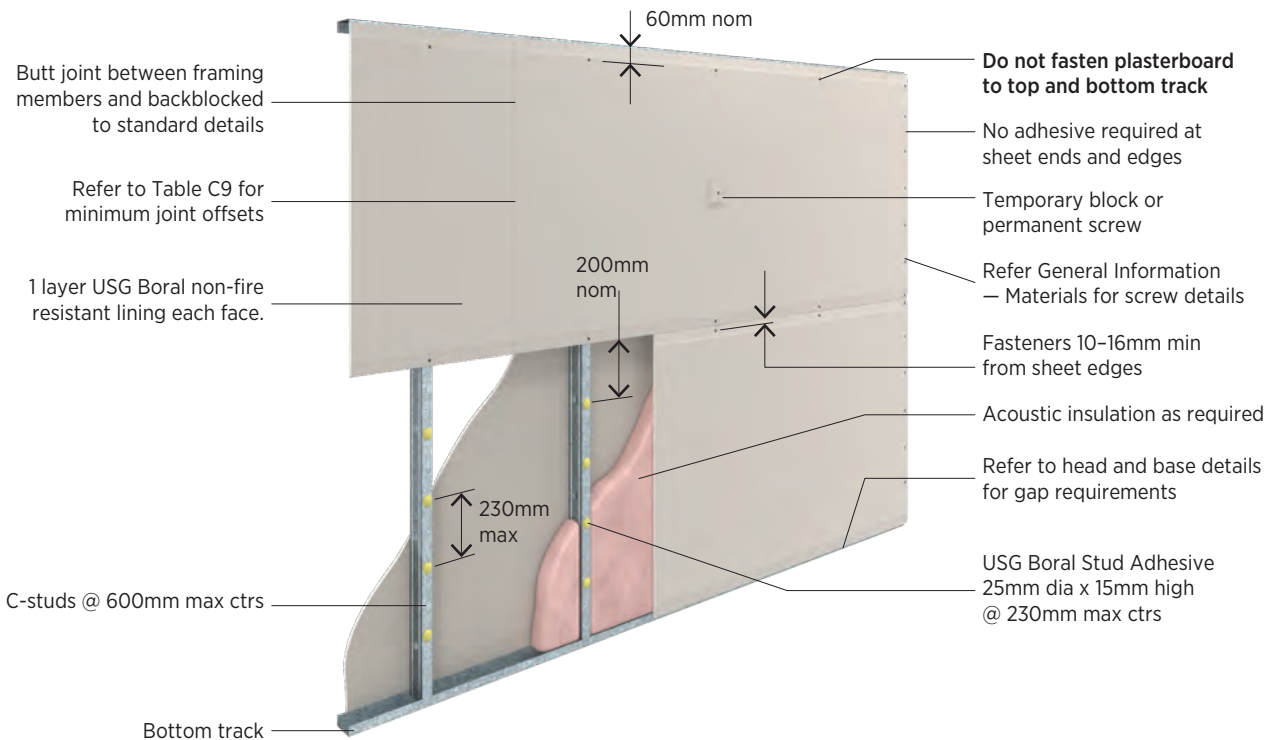


Figure C13: **Non-Fire Rated Steel Stud – Horizontal Fixing – Single Layer (combination adhesive and mechanical fixing option)**

NOTES:

- For Level 4 and 5 finish, butt joints to fall between framing members, otherwise butt joints may be fixed to studs.
- Combination adhesive and mechanical fixing method must not be used for Fiberock linings — full screw fixing only is allowed.

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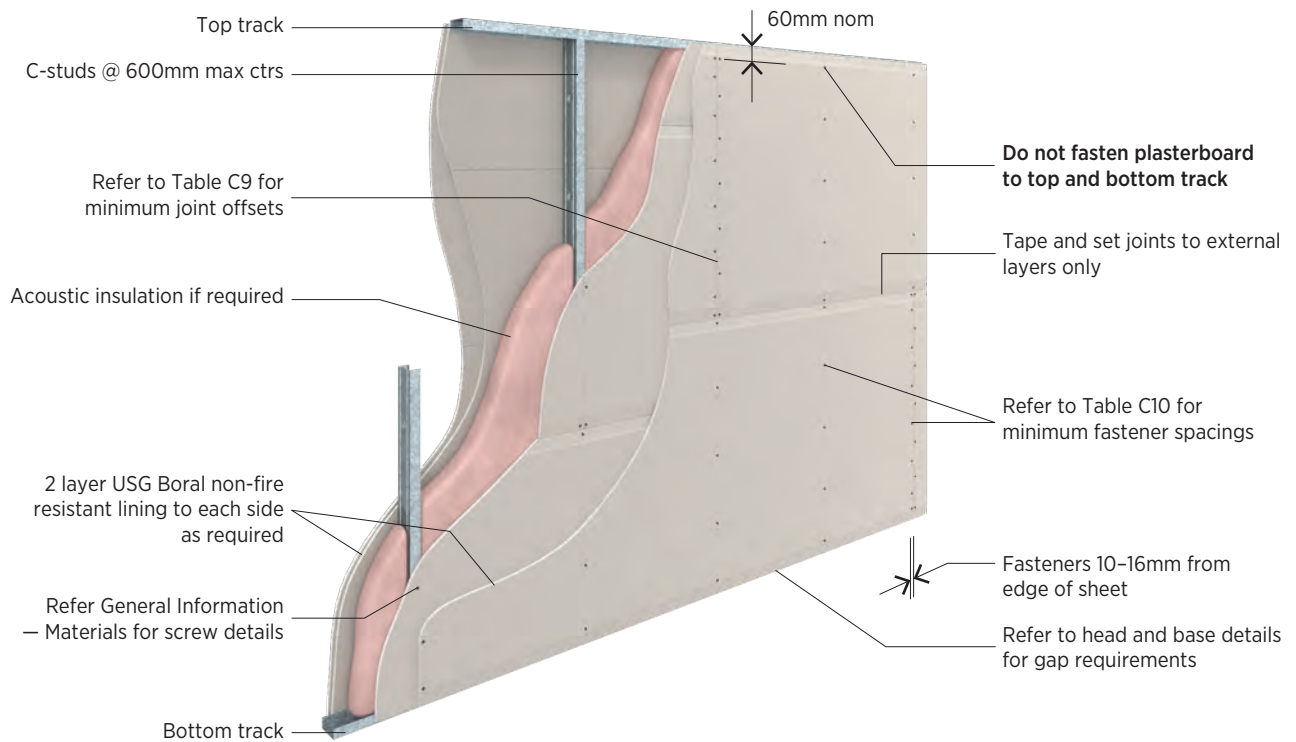


Figure C14: **Non-Fire Rated Steel Stud - Horizontal Fixing - Double Layer**

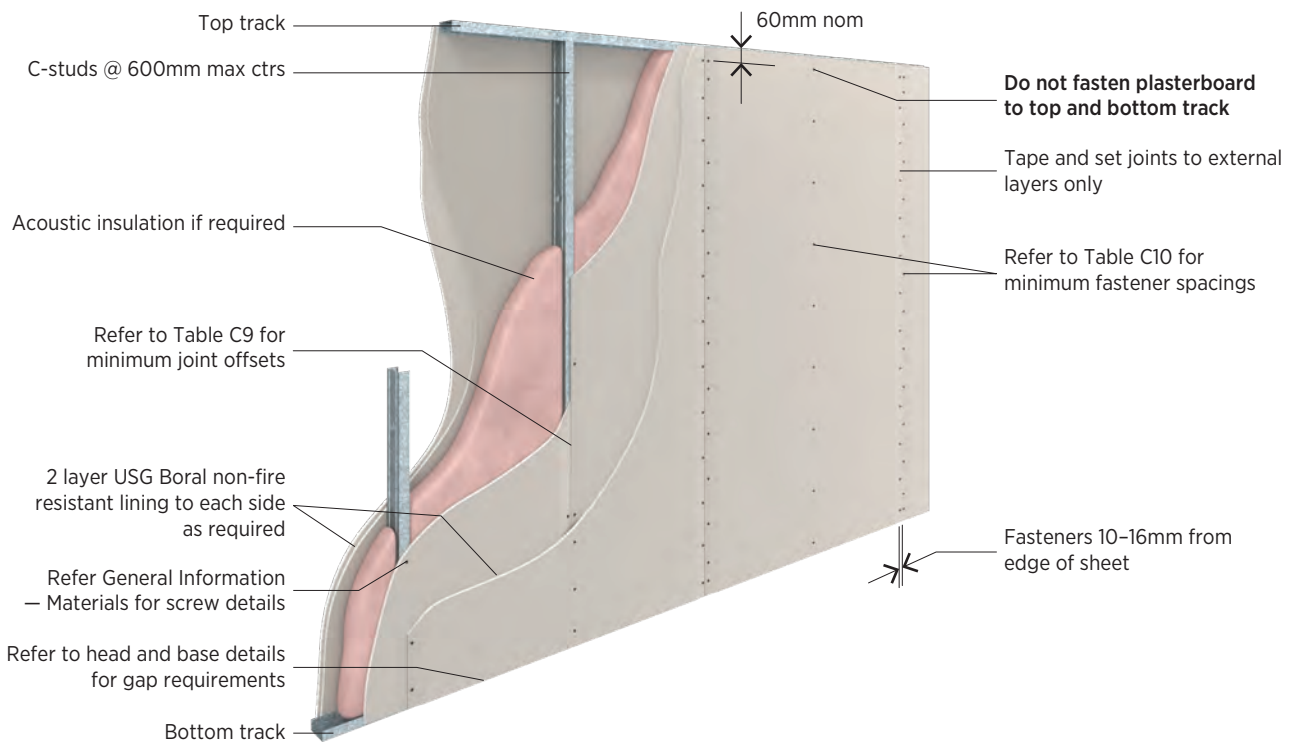


Figure C15: **Non-Fire Rated Steel Stud - Vertical Fixing - Double Layer**

QUICK SELECTION TABLES

WALLS LINED ONE SIDE						
SYSTEM	PAGE NO	LINING SIDE 1	LINING SIDE 2	STUD SIZE mm	ANY STUD	
				FRL (from lining side only)	R _w	R _w +C _{tr}
SO.1	C 19	1x10mm non-fire resistant pbd	NA	non-fire rated	27-28	23-26
SO.2	C 19	2x10mm non-fire resistant pbd	NA	non-fire rated	33-34	29-32
SO.3	C 20	1x13mm non-fire resistant pbd	NA	non-fire rated	28-29	25-27
SO30.1	C 20	1x16mm fire resistant pbd	NA	-/30/30	30	27-28
SO60.1	C 21	2x16mm fire resistant pbd	NA	60/60/60	36	33-34
SO90.1	C 21	3x13mm fire resistant pbd	NA	90/90/90	38-39	36
SO120.1	C 22	3x16mm fire resistant pbd	NA	120/120/120	39-40	37-38
SOF.1	C 23	1x10mm Fiberock	NA	non-fire rated	28	26
SOF.2	C 23	2x10mm Fiberock	NA	non-fire rated	34	32
SOF.3	C 23	1x13mm Fiberock	NA	non-fire rated	29	27
SOF30.1	C 24	1x16mm Fiberock	NA	-/30/30	30	28
SOF60.1	C 24	2x16mm Fiberock	NA	60/60/60	36	34
SOF90.1	C 25	3x16mm Fiberock	NA	90/90/90	40	38

QUICK SELECTION TABLES

WALLS LINED BOTH SIDES														
SYSTEM	PAGE NO	LINING SIDE 1	LINING SIDE 2	STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
				FRL	R _w					R _w +C _{tr}				
SBS.1	C 26	1x10mm SHEETROCK BRAND pbd	1x10mm SHEETROCK BRAND pbd	non-fire rated	30-34	30-34	31-37	31-39	29-39	22-25	23-25	23-27	23-28	21-28
SBS.2	C 26	1x13mm SHEETROCK BRAND pbd	1x13mm SHEETROCK BRAND pbd	non-fire rated	32-35	32-37	33-39	34-41	32-40	24-26	25-27	25-28	26-31	24-31
SB.1	C 27	1x10mm non-fire resistant pbd	1x10mm non-fire resistant pbd	non-fire rated	31-41	32-42	32-44	33-45	32-44	24-30	25-31	25-35	25-36	24-36
SB.2	C 28	2x10mm non-fire resistant pbd	2x10mm non-fire resistant pbd	non-fire rated	37-48	38-49	39-51	39-52	38-51	28-38	29-40	30-42	30-45	29-45
SB.3	C 29	1x13mm non-fire resistant pbd	1x13mm non-fire resistant pbd	non-fire rated	33-42	34-43	35-45	35-46	34-44	26-32	26-35	27-36	27-38	25-37
SB.4	C 30	1x13mm non-fire resistant pbd	2x13mm non-fire resistant pbd	non-fire rated	37-47	38-47	39-49	40-51	39-49	29-37	29-37	30-40	31-41	29-41
SB.5	C 31	2x13mm non-fire resistant pbd	2x13mm non-fire resistant pbd	non-fire rated	42-50	43-50	44-52	45-53	44-51	34-42	35-43	36-45	36-48	34-47
SB60.1	C 32	1x13mm fire resistant pbd	1x13mm fire resistant pbd	-/60/60 30/30/30	34-42	35-43	36-45	37-46	36-44	27-32	28-35	28-36	30-38	27-37
SB60.2	C 32	1x13mm fire resistant pbd	1x13mm fire resistant pbd + 1x10mm FIBEROCK	-/60/60 30/30/30	-	-	-	50	-	-	-	-	40	-
SB60.3	C 33	1x13mm fire resistant pbd + 1x10mm FIBEROCK	1x13mm fire resistant pbd + 1x10mm FIBEROCK	-/60/60 30/30/30	42-48	43-50	44-51	45-53	44-51	36-39	36-42	37-43	37-46	36-45
SB90.1	C 33	1x13mm fire resistant pbd	2x13mm fire resistant pbd	-/90/90 30/30/30	40-47	41-47	42-49	42-50	41-49	30-37	32-37	32-40	32-42	31-42
SB90.2	C 34	1x16mm fire resistant pbd	1x16mm fire resistant pbd	-/90/90 60/60/60	38-45	39-46	40-48	41-48	40-46	33-39	34-39	35-42	35-43	34-43
SB90.3	C 34	1x16mm fire resistant pbd	1x16mm fire resistant pbd + 1x10mm FIBEROCK	-/90/90 60/60/60	-	-	-	50	-	-	-	-	41	-
SB90.4	C 35	1x16mm fire resistant pbd + 1x10mm FIBEROCK	1x16mm fire resistant pbd + 1x10mm FIBEROCK	-/90/90 60/60/60	43-49	44-50	45-51	45-53	45-51	38-41	38-43	38-45	39-47	37-46
SB120.1	C 35	2x13mm fire resistant pbd	2x13mm fire resistant pbd	-/120/120 90/90/90	44-50	45-51	46-52	47-54	46-51	37-42	37-44	37-46	38-48	37-47
SB180.1	C 36	2x16mm fire resistant pbd	2x16mm fire resistant pbd	-/180/180 120/120/120	45-51	46-52	47-53	47-54	47-52	38-43	38-44	39-46	39-48	38-47
SB180.2	C 36	1x25mm SHAFTLINER + 1x16mm fire resistant pbd	1x25mm SHAFTLINER + 1x16mm fire resistant pbd	-/180/180 120/120/120	48-56	49-56	50-56	50-56	50-53	42-51	43-52	44-52	44-53	44-50
SB240.1	C 37	2x25mm SHAFTLINER + 1x16mm fire resistant pbd	2x25mm SHAFTLINER + 1x16mm fire resistant pbd	-/240/240 180/180/180	54-60	55-60	56-60	57-60	56-57	48-56	49-57	50-57	51-57	50-55
SBF.1	C 38	1x10mm FIBEROCK	1x10mm FIBEROCK	non-fire rated	34-41	35-42	35-44	36-45	35-44	26-30	27-31	27-35	28-36	26-36
SBF.2	C 38	2x10mm FIBEROCK	2x10mm FIBEROCK	non-fire rated	41-48	41-49	42-51	43-52	42-51	32-38	32-40	33-42	34-45	32-45
SBF30.1	C 39	1x13mm FIBEROCK	1x13mm FIBEROCK	-/30/30 30/30/30	36-42	37-44	38-45	39-46	37-44	28-32	29-35	30-36	31-38	29-37
SBF30.2	C 39	1x13mm FIBEROCK	2x13mm FIBEROCK	-/30/30 30/30/30	40-47	42-47	42-49	43-51	42-49	31-37	33-37	33-40	34-42	32-42
SBF60.1	C 40	1x16mm FIBEROCK	1x16mm FIBEROCK	-/60/60 60/60/60	38-45	39-46	40-48	41-48	40-46	33-39	35-39	36-42	36-43	35-43
SBF90.1	C 40	2x13mm FIBEROCK	2x13mm FIBEROCK	-/90/90	NA	47-51	47-52	NA	NA	NA	39-44	39-46	NA	NA
SBF120.1	C 41	2x13mm FIBEROCK	2x13mm FIBEROCK	-/120/120	NA	NA	NA	48-54	47-51	NA	NA	NA	39-48	38-47
SBF120.2	C 41	2x16mm FIBEROCK	2x16mm FIBEROCK	-/120/120	46-51	47-52	47-53	48-54	47-52	39-43	40-44	40-46	41-48	39-47

QUICK SELECTION TABLES

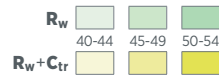
QUIET STUD WALLS						
SYSTEM	PAGE NO	LINING SIDE 1	LINING SIDE 2	STUD SIZE mm	92	
				FRL	R _w	R _w +C _{tr}
SQ.1	C 42	1x10mm non-fire resistant pbd	1x10mm non-fire resistant pbd	non-fire rated	37-48	29-38
SQ.2	C 43	2x10mm non-fire resistant pbd	2x10mm non-fire resistant pbd	non-fire rated	44-56	36-48
SQ.3	C 44	1x13mm non-fire resistant pbd	1x13mm non-fire resistant pbd	non-fire rated	39-51	31-43
SQ.4	C 45	1x13mm non-fire resistant pbd	2x13mm non-fire resistant pbd	non-fire rated	45-56	37-49
SQ.5	C 46	2x13mm non-fire resistant pbd	2x13mm non-fire resistant pbd	non-fire rated	45-57	38-53
SQ60.1	C 47	1x13mm fire resistant pbd	1x13mm fire resistant pbd	-/60/60 30/30/30	42-51	34-43
SQ60.2	C 47	1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd	1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd	-/60/60 30/30/30	56-57	50
SQ60.3	C 48	1x13mm fire resistant pbd	1x13mm fire resistant pbd + 1x10mm FIBEROCK	-/60/60 30/30/30	51-52	44-46
SQ60.4	C 48	1x13mm fire resistant pbd + 1x10mm FIBEROCK	1x13mm fire resistant pbd + 1x10mm FIBEROCK	-/60/60 30/30/30	46-56	38-50
SQ90.1	C 49	1x13mm fire resistant pbd	2x13mm fire resistant pbd	-/90/90 30/30/30	46-56	38-49
SQ90.2	C 49	1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd	2x13mm fire resistant pbd	-/90/90 30/30/30	56	50
SQ90.3	C 50	1x16mm fire resistant pbd	1x16mm fire resistant pbd	-/90/90 60/60/60	43-51	36-43
SQ90.4	C 50	1x16mm fire resistant pbd + 1x13mm non-fire resistant pbd	1x16mm fire resistant pbd + 1x13mm non-fire resistant pbd	-/90/90 60/60/60	55	50
SQ90.5	C 51	1x16mm fire resistant pbd	1x16mm fire resistant pbd + 1x10mm FIBEROCK	-/90/90 60/60/60	52-54	46-47
SQ90.6	C 51	1x16mm fire resistant pbd + 1x10mm FIBEROCK	1x16mm fire resistant pbd + 1x10mm FIBEROCK	-/90/90 60/60/60	47-57	40-52
SQ120.1	C 52	2x13mm fire resistant pbd	2x13mm fire resistant pbd	-/120/120 90/90/90	47-57	40-53
SQ180.1	C 52	2x16mm fire resistant pbd	2x16mm fire resistant pbd	-/180/180 120/120/120	49-59	41-54
SQF.1	C 53	1x10mm FIBEROCK	1x10mm FIBEROCK	non-fire rated	40-48	32-38
SQF.2	C 53	2x10mm FIBEROCK	2x10mm FIBEROCK	non-fire rated	48-56	40-48
SQF30.1	C 54	1x13mm FIBEROCK	1x13mm FIBEROCK	-/30/30	43-51	35-43
SQF30.2	C 54	1x13mm FIBEROCK	2x13mm FIBEROCK	-/30/30	48-56	40-49
SQF60.1	C 55	1x16mm Fiberock	1x16mm Fiberock	-/60/60	43-51	38-43
SQF90.1	C 55	2x13mm Fiberock	2x13mm Fiberock	-/90/90	49-57	41-53
SQF120.1	C 56	2x16mm FIBEROCK	2x16mm FIBEROCK	-/120/120	50-60	42-54

QUICK SELECTION TABLES

STAGGERED STUD WALLS								
SYSTEM	PAGE NO	LINING SIDE 1	LINING SIDE 2	TRACK SIZE mm	92	150	92	150
				FRL	R _w		R _w +C _{tr}	
SS.1	C 57	1x10mm non-fire resistant pbd	1x10mm non-fire resistant pbd	non-fire rated	36-48	38-51	30-38	32-43
SS.2	C 58	2x10mm non-fire resistant pbd	2x10mm non-fire resistant pbd	non-fire rated	42-58	44-61	35-49	37-53
SS.3	C 59	1x13mm non-fire resistant pbd	1x13mm non-fire resistant pbd	non-fire rated	38-51	40-53	32-39	33-43
SS.4	C 60	1x13mm non-fire resistant pbd	2x13mm non-fire resistant pbd	non-fire rated	42-56	44-58	35-48	36-51
SS.5	C 61	2x13mm non-fire resistant pbd	2x13mm non-fire resistant pbd	non-fire rated	45-60	47-61	39-53	40-57
SS60.1	C 62	1x13mm fire resistant pbd	1x13mm fire resistant pbd	-/60/60	40-51	42-53	35-39	35-43
SS60.2	C 62	1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd	1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd	-/60/60	57-58	57	50-51	51
SS60.3	C 63	1x13mm fire resistant pbd	1x13mm fire resistant pbd + 1x10mm FIBEROCK	-/60/60	52	-	44	-
SS60.4	C 63	1x13mm fire resistant pbd + 1x10mm FIBEROCK	1x13mm fire resistant pbd + 1x10mm FIBEROCK	-/60/60	47-58	49-60	40-50	42-54
SS90.1	C 64	1x13mm fire resistant pbd	2x13mm fire resistant pbd	-/90/90	43-56	46-58	36-48	38-51
SS90.2	C 64	1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd	2x13mm fire resistant pbd	-/90/90	57-58	58-59	50	52-53
SS90.3	C 65	1x16mm fire resistant pbd	1x16mm fire resistant pbd	-/90/90	43-54	46-56	36-45	39-49
SS90.4	C 65	1x16mm fire resistant pbd + 1x13mm non-fire resistant pbd	1x16mm fire resistant pbd + 1x13mm non-fire resistant pbd	-/90/90	57	58	50	52-53
SS90.5	C 66	1x16mm fire resistant pbd	1x16mm fire resistant pbd + 1x10mm FIBEROCK	-/90/90	58	-	51	-
SS90.6	C 66	1x16mm fire resistant pbd + 1x10mm FIBEROCK	1x16mm fire resistant pbd + 1x10mm FIBEROCK	-/90/90	48-59	50-61	42-52	43-56
SS120.1	C 67	2x13mm fire resistant pbd	2x13mm fire resistant pbd	-/120/120	47-60	50-61	41-53	43-57
SS180.1	C 68	2x16mm fire resistant pbd	2x16mm fire resistant pbd	-/180/180	48-60	51-61	41-55	42-58
SSF.1	C 69	1x10mm FIBEROCK	1x10mm FIBEROCK	non-fire rated	39-48	41-51	33-38	34-43
SSF.2	C 69	2x10mm FIBEROCK	2x10mm FIBEROCK	non-fire rated	46-58	48-61	39-49	40-53
SSF30.1	C 70	1x13mm FIBEROCK	1x13mm FIBEROCK	-/30/30	42-51	44-53	36-39	37-43
SSF30.2	C 70	1x13mm FIBEROCK	2x13mm FIBEROCK	-/30/30	45-56	48-58	38-48	39-51
SSF60.1	C 71	1x16mm FIBEROCK	1x16mm FIBEROCK	-/60/60	44-54	47-56	39-46	40-49
SSF90.1	C 71	2x13mm FIBEROCK	2x13mm FIBEROCK	-/90/90	49-60	51-61	42-53	44-57
SSF120.1	C 72	2x13mm FIBEROCK	2x13mm FIBEROCK	-/120/120	NA	51-61	NA	44-57
SSF120.2	C 72	2x16mm FIBEROCK	2x16mm FIBEROCK	-/120/120	49-60	52-61	42-56	44-58

QUICK SELECTION TABLES

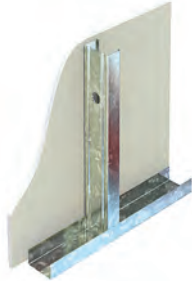
TWIN STUD WALLS												
SYSTEM	PAGE NO	LINING SIDE 1	LINING SIDE 2	STUD SIZE mm	64	76	92	150	64	76	92	150
				FRL	R _w				R _w +C _{tr}			
ST.1	C 73	1x10mm non-fire resistant pbd	1x10mm non-fire resistant pbd	non-fire rated	39-54	39-55	40-55	42-56	32-44	33-45	33-46	34-49
ST.2	C 74	2x10mm non-fire resistant pbd	2x10mm non-fire resistant pbd	non-fire rated	46-62	47-63	48-63	51-64	39-51	39-53	40-54	42-57
ST.3	C 75	1x13mm non-fire resistant pbd	1x13mm non-fire resistant pbd	non-fire rated	41-58	42-59	43-59	45-59	35-48	35-49	35-50	37-52
ST.4	C 76	2x13mm non-fire resistant pbd	2x13mm non-fire resistant pbd	non-fire rated	50-64	51-66	52-67	55-68	42-55	43-57	44-59	45-62
ST60.1	C 77	1x13mm fire resistant pbd	1x13mm fire resistant pbd	-/60/60 30/30/30	43-58	44-59	46-59	47-59	36-48	37-49	39-50	39-52
ST60.2	C 78	1x13mm fire resistant pbd	1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd	-/60/60 30/30/30	59-60	59-61	60-62	60-62	49-50	50-52	51-53	54-55
ST60.3	C 78	1x13mm fire resistant pbd	1x13mm fire resistant pbd + 1x10mm FIBEROCK	-/60/60 30/30/30	59-60	60-61	60-62	61-62	49-50	50-52	52-53	54-55
ST60.4	C 79	1x13mm fire resistant pbd + 1x10mm FIBEROCK	1x13mm fire resistant pbd + 1x10mm FIBEROCK	-/60/60 30/30/30	49-58	50-60	51-62	54-62	41-48	42-50	42-52	45-55
ST90.1	C 80	1x13mm fire resistant pbd	2x13mm fire resistant pbd	-/90/90 30/30/30	48-64	49-64	50-66	52-66	41-53	42-54	42-56	44-59
ST90.2	C 81	1x16mm fire resistant pbd	1x16mm fire resistant pbd	-/90/90 60/60/60	46-61	47-62	48-63	51-64	39-52	40-53	40-56	42-58
ST90.3	C 81	1x16mm fire resistant pbd + 1x10mm FIBEROCK	1x16mm fire resistant pbd + 1x10mm FIBEROCK	-/90/90 60/60/60	51-60	52-62	54-64	57-64	43-50	54-52	44-54	46-57
ST120.1	C 82	2x13mm fire resistant pbd	2x13mm fire resistant pbd	-/120/120 90/90/90	53-64	54-66	55-67	58-68	45-55	45-57	46-59	49-62
ST180.1	C 83	2x16mm fire resistant pbd	2x16mm fire resistant pbd	-/180/180 120/120/120	54-64	55-66	56-67	60-68	46-56	47-58	48-60	51-62
ST180.2	C 84	1x25 SHAFTLINER + 1x16mm Firestop pbd	1x25 SHAFTLINER + 1x16mm Firestop pbd	-/180/180 120/120/120	53-65	55-67	56-69	59-70	44-56	45-58	46-60	49-62
ST240.1	C 84	2x25 SHAFTLINER + 1x16mm FIRESTOP pbd	2x25 SHAFTLINER + 1x16mm FIRESTOP pbd	-/240/240 180/180/180	62-74	63-76	65-78	68-78	52-65	53-67	54-69	57-70
STF.1	C 85	1x10mm FIBEROCK	1x10mm FIBEROCK	non-fire rated	42-54	43-55	44-55	46-56	35-44	36-45	36-46	38-49
STF.2	C 85	2x10mm FIBEROCK	2x10mm FIBEROCK	non-fire rated	50-62	51-63	52-63	55-64	42-51	43-53	44-54	46-57
STF.3	C 86	1x13mm FIBEROCK	1x13mm FIBEROCK	non-fire rated	45-58	45-59	46-59	49-59	38-48	38-49	39-50	41-52
STF30.1	C 86	1x13mm FIBEROCK	2x13mm FIBEROCK	-/30/30	50-63	51-64	52-65	55-66	42-53	43-54	44-56	46-59
STF60.1	C 87	1x16mm FIBEROCK	1x16mm FIBEROCK	-/60/60	48-62	49-63	50-64	53-65	41-53	41-54	42-56	44-59
STF90.1	C 87	2x13mm FIBEROCK	2x13mm FIBEROCK	-/90/90	55-64	56-66	NA	NA	46-55	47-57	NA	NA
STF120.1	C 88	2x13mm FIBEROCK	2x13mm FIBEROCK	-/120/120	NA	NA	57-67	60-67	NA	NA	48-59	50-62
STF120.2	C 88	2x16mm FIBEROCK	2x16mm FIBEROCK	-/120/120	56-65	57-66	58-68	61-69	48-56	49-58	50-60	53-62



LINED ONE SIDE

SO.1

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 1x10mm non-fire resistant pbd
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	10 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R _w	R _w +C _{tr}
SO.1A	1x10mm REGULAR	NA	Nil	27	23
SO.1B	1x10mm SOUNDSTOP	NA	Nil	28	26
SO.1C	1x10mm IMPACTSTOP	NA	Nil	28	26

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

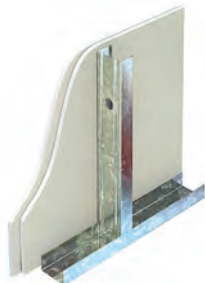
PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)				
STUD SIZE mm		51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2720 d	NA	NA	NA
	0.55	NA	NA	3200 2d	3610 2s	NA
	0.75	NA	3130 d	3580 2d	4130 2d	5330 2h
	1.15	NA	3530 d	4050 2d	4690 2d	5330 2h

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2h - head track capacity (2 rows of noggings), s - permissible strength, 2s - strength (2 rows of noggings)

SO.2

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 2x10mm non-fire resistant pbd
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	20 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R _w	R _w +C _{tr}
SO.2A	2x10mm REGULAR	NA	Nil	33	29
SO.2B	2x10mm SOUNDSTOP	NA	Nil	34	32

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)				
STUD SIZE mm		51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2720 d	NA	NA	NA
	0.55	NA	NA	3200 2d	3610 2s	NA
	0.75	NA	3130 d	3580 2d	4130 2d	5330 2h
	1.15	NA	3530 d	4050 2d	4690 2d	5330 2h

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2h - head track capacity (2 rows of noggings), s - permissible strength, 2s - strength (2 rows of noggings)

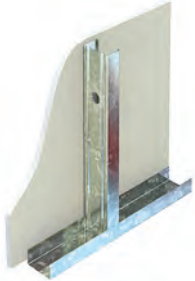
For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

LINED ONE SIDE

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SO.3

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 1x13mm non-fire resistant pbd
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	13 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R _w	R _w +C _{tr}
SO.3A	1x13mm REGULAR	NA	Nil	28	25
SO.3B	1x13mm SOUNDSTOP	NA	Nil	29	27
SO.3C	1x13mm IMPACTSTOP	NA	Nil	29	27

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

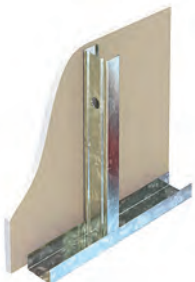
STUD SPACING mm	600 (NOGGED)					
	STUD SIZE mm	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2720 d	NA	NA	NA
	0.55	NA	NA	3240 2d	3610 2s	NA
	0.75	NA	3250 d	3820 2d	4180 2d	5370 2s
	1.15	NA	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), s - permissible strength, 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

SO30.1

FIRE RESISTANCE LEVEL
NLB -/30/30
FROM LINED SIDE ONLY

FRL Basis: FCO-0568, FCO-1658, EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 1x16mm fire resistant pbd
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	16 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R _w	R _w +C _{tr}
SO30.1A	1x16mm FIRESTOP	NA	Nil	30	27
SO30.1B	1x16mm MULTISTOP	NA	Nil	30	28

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm	600 (NOGGED)					
	STUD SIZE mm	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2750 s	NA	NA	NA
	0.55	NA	NA	3250 2d	3610 2s	NA
	0.75	NA	3280 d	3870 2d	4200 2d	5370 2s
	1.15	NA	3590 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), s - permissible strength, 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

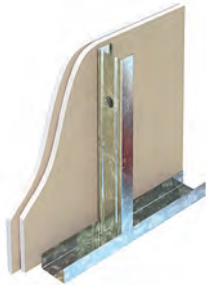
LINED ONE SIDE

R_w	40-44	45-49	50-54
R_w+C_{tr}			

S060.1

FIRE RESISTANCE LEVEL
LB **60/60/60**
FROM LINED SIDE ONLY

FRL Basis: FCO-0037, FCO-1763,
EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 2x16mm fire resistant pbd
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	32 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R_w	R_w+C_{tr}
S060.1A	2x16mm FIRESTOP	NA	Nil	36	33
S060.1B	2x16mm MULTISTOP	NA	Nil	36	34

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	600 (NOGGED)					
	STUD SIZE mm	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2750 d	NA	NA	NA
	0.55	NA	NA	3250 2d	3610 2s	NA
	0.75	NA	3280 d	3870 2d	4200 2d	5370 2s
	1.15	NA	3590 d	4050 2d	4690 2d	6810 3s

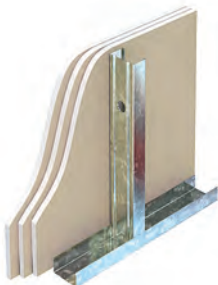
Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), s - permissible strength, 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

S090.1

FIRE RESISTANCE LEVEL
LB **90/90/90**
FROM LINED SIDE ONLY

FRL Basis: FCO-2423, EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 3x13mm fire resistant pbd
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	39 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R_w	R_w+C_{tr}
S090.1A	3x13mm FIRESTOP	NA	Nil	38	36
S090.1B	3x13mm MULTISTOP	NA	Nil	39	36

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	600 (NOGGED)					
	STUD SIZE mm	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2720 d	NA	NA	NA
	0.55	NA	NA	3240 2d	3610 2s	NA
	0.75	NA	3250 d	3820 2d	4180 2d	5370 2s
	1.15	NA	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), s - permissible strength, 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

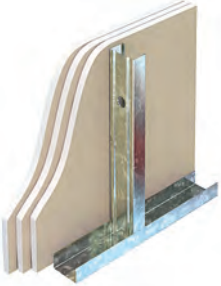
LINED ONE SIDE

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SO120.1

FIRE RESISTANCE LEVEL
LB 120/120/120
 FROM LINED SIDE ONLY

FRL Basis: FSV-0538, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 3x16mm fire resistant pbd
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	48 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R _w	R _w +C _{tr}
SO120.1A	3x16mm FIRESTOP	NA	Nil	39	37
SO120.1B	3x16mm MULTISTOP	NA	Nil	40	38

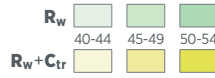
MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	600 (NOGGED)					
	51	64	76	92	150	
BASE METAL THICKNESS mm						
0.50	2320 d	2750 d	NA	NA	NA	
0.55	NA	NA	3250 2d	3610 2s	NA	
0.75	NA	3280 d	3870 2d	4200 2d	5370 2s	
1.15	NA	3590 d	4050 2d	4690 2d	6810 3s	

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), s - permissible strength, 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

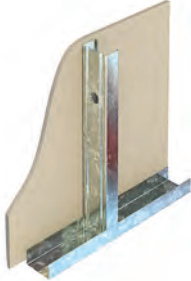
*Refer Rondo for maximum heights for load bearing walls



FIBEROCK – LINED ONE SIDE

SOF.1

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 1x10mm Fiberock
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	10 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R _w	R _w +C _{tr}
SOF.1A	1x10mm FIBEROCK	NA	Nil	28	26

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

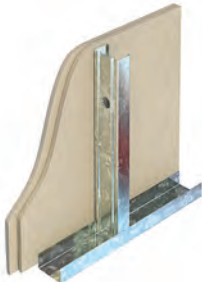
PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)				
STUD SIZE mm		51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2720 d	NA	NA	NA
	0.55	NA	NA	3200 2d	3610 2s	NA
	0.75	NA	3130 d	3580 2d	4130 2d	5330 2h
	1.15	NA	3530 d	4050 2d	4690 2d	5330 2h

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), 2h – head track capacity (2 rows of noggings), s – permissible strength, 2s – strength (2 rows of noggings)

SOF.2

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 2x10mm Fiberock
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	20 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R _w	R _w +C _{tr}
SOF.2A	2x10mm FIBEROCK	NA	Nil	34	32

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

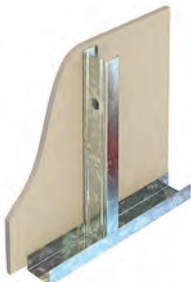
PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)				
STUD SIZE mm		51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2720 d	NA	NA	NA
	0.55	NA	NA	3200 2d	3610 2s	NA
	0.75	NA	3130 d	3580 2d	4130 2d	5330 2h
	1.15	NA	3530 d	4050 2d	4690 2d	5330 2h

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), 2h – head track capacity (2 rows of noggings), s – permissible strength, 2s – strength (2 rows of noggings)

SOF.3

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 1x13mm Fiberock
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	13 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R _w	R _w +C _{tr}
SOF.3A	1x13mm FIBEROCK	NA	Nil	29	27

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

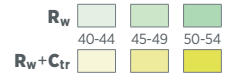
PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)				
STUD SIZE mm		51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2720 d	NA	NA	NA
	0.55	NA	NA	3240 2d	3610 2s	NA
	0.75	NA	3250 d	3820 2d	4180 2d	5370 2s
	1.15	NA	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), s – permissible strength, 2s – strength (2 rows of noggings), 3s – strength (3 rows of noggings)

For the full range of USG Boral systems refer to usgboral.com/eselector

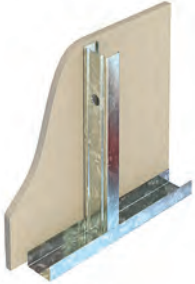
FIBEROCK – LINED ONE SIDE



SOF30.1

FIRE RESISTANCE LEVEL
NLB **-/30/30**
FROM LINED SIDE ONLY

FRL Basis: FR30SS1



SYSTEM DESCRIPTION

Side 1: 1x16mm Fiberock
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	16 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R _w	R _w +C _{tr}
SOF30.1A	1x16mm FIBEROCK	NA	Nil	30	28

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

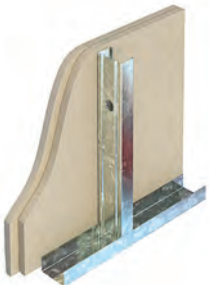
STUD SPACING mm	600 (NOGGED)					
	STUD SIZE mm	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2750 s	NA	NA	NA
	0.55	NA	NA	3250 2d	3610 2s	NA
	0.75	NA	3280 d	3870 2d	4200 2d	5370 2s
	1.15	NA	3590 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), s – permissible strength, 2s – strength (2 rows of noggings), 3s – strength (3 rows of noggings)

SOF60.1

FIRE RESISTANCE LEVEL
LB **60/60/60**
FROM LINED SIDE ONLY

FRL Basis: FR60SS2



SYSTEM DESCRIPTION

Side 1: 2x16mm Fiberock
Framing: Steel studs
Insulation: Refer to table
Side 2: NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	32 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R _w	R _w +C _{tr}
SOF60.1A	2x16mm FIBEROCK	NA	Nil	36	34

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	600 (NOGGED)					
	STUD SIZE mm	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2320 d	2720 d	NA	NA	NA
	0.55	NA	NA	3240 2d	3610 2s	NA
	0.75	NA	3250 d	3820 2d	4180 2d	5370 2s
	1.15	NA	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), s – permissible strength, 2s – strength (2 rows of noggings), 3s – strength (3 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

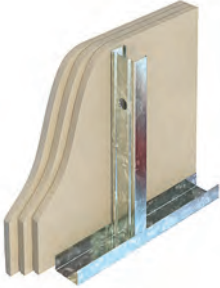
FIBEROCK – LINED ONE SIDE

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SOF90.1

FIRE RESISTANCE LEVEL
 LB **90/90/90**
 FROM LINED SIDE ONLY

FRL Basis: FR90SS3



SYSTEM DESCRIPTION

- Side 1:** 3x16mm Fiberock
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** NA

ACOUSTIC RATINGS BASIS: RT&A TE405-05F01

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	48 + STUD	
			STUD SIZE mm	ANY STUD	
			INSULATION	R_w	R_w+C_{tr}
SOF90.1A	3x16mm FIBEROCK	NA	Nil	40	38

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

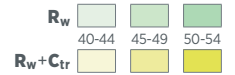
STUD SPACING mm	600 (NOGGED)				
	51	64	76	92	150
STUD SIZE mm					
BASE METAL THICKNESS mm	0.50	2320 d	2750 d	NA	NA
	0.55	NA	NA	3250 2d	3610 2s
	0.75	NA	3280 d	3870 2d	4200 2d
	1.15	NA	3590 d	4050 2d	4690 2d
					5370 2s
					6810 3s

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), s – permissible strength, 2s – strength (2 rows of noggings), 3s – strength (3 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector

SHEETROCK BRAND – LINED BOTH SIDES



SBS.1

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x10mm Sheetrock Brand Wall Board
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x10mm Sheetrock Brand Wall Board

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	71	84	96	112	170	71	84	96	112	170
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SBS.1A	1x10mm SHEETROCK BRAND WALL BOARD	1x10mm SHEETROCK BRAND WALL BOARD	Nil	30	30	31	31	29	22	23	23	23	21
			TSB2	32	33	34	36	36	24	24	25	26	26
			50G11, 50P14	34	34	36	37	37	25	25	26	27	27
			75G11, 75P14	-	-	37	38	38	-	-	27	28	28
			90G11, 90P14	-	-	-	39	39	-	-	-	28	28

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm	400					600					
	STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3130 d	3690 d	NA	NA	NA	2770 d	3330 d	NA	NA	NA
	0.55	NA	NA	4160 d	4990 d	NA	NA	NA	3700 d	4540 d	NA
	0.75	NA	4280 d	4930 d	5460 d	7340 2d	NA	3930 d	4430 d	4830 d	5330 h
	1.15	NA	4590 d	5240 d	5840 d	7970 2h	NA	4170 d	4650 d	5110 d	5330 h

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), h – head track capacity, 2h – head track capacity (2 rows of noggings)

SBS.2

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x13mm Sheetrock Brand Standard
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x13mm Sheetrock Brand Standard

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	77	90	102	118	176	77	90	102	118	176
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SBS.2A	1x13mm SHEETROCK BRAND STANDARD	1x13mm SHEETROCK BRAND STANDARD	Nil	32	32	33	34	32	24	25	25	26	24
			TSB2	34	36	37	39	38	25	26	26	29	29
			50G11, 50P14	35	37	38	40	39	26	27	27	30	30
			75G11, 75P14	-	-	39	41	40	-	-	28	31	31
			90G11, 90P14	-	-	-	41	40	-	-	-	31	31

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

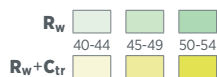
MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm	400					600					
	STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3510 d	4020 d	NA	NA	NA	3200 d	3720 d	NA	NA	NA
	0.55	NA	NA	4530 d	5330 d	NA	NA	NA	4130 d	4940 d	NA
	0.75	NA	4530 d	5450 d	6050 d	7610 2d	NA	4220 d	5020 d	5500 d	6990 2d
	1.15	NA	4810 d	5720 d	6380 d	8190 2d	NA	4430 d	5220 d	5750 d	7520 2d

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), h – head track capacity, 2h – head track capacity (2 rows of noggings)

LINED BOTH SIDES



SB.1

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x10mm non-fire resistant pbd
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x10mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	71	84	96	112	170	71	84	96	112	170
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB.1A	1x10mm REGULAR	1x10mm REGULAR	Nil	31	32	32	33	32	24	25	25	25	24
			TSB2	35	37	37	39	39	25	27	27	29	29
			50G11, 50P14	36	38	38	40	40	26	28	28	30	30
			75G11, 75P14	-	-	39	41	41	-	-	29	31	31
			90G11, 90P14	-	-	-	41	41	-	-	-	31	31
SB.1B	1x10mm WET AREA	1x10mm WET AREA	Nil	33	33	33	34	33	25	25	25	26	25
			TSB2	36	38	39	41	40	27	28	28	31	31
			50G11, 50P14	37	39	40	42	41	28	29	29	32	32
			75G11, 75P14	-	-	41	43	42	-	-	30	33	33
			90G11, 90P14	-	-	-	43	42	-	-	-	33	33
SB.1C	1x10mm SOUNDSTOP	1x10mm SOUNDSTOP	Nil	34	35	35	36	35	26	27	27	28	26
			TSB2	40	40	42	42	42	29	30	33	33	33
			50G11, 50P14	41	42	43	44	43	30	31	34	35	35
			75G11, 75P14	-	-	44	45	44	-	-	35	36	36
			90G11, 90P14	-	-	-	45	44	-	-	-	36	36
SB.1D	1x10mm IMPACTSTOP	1x10mm IMPACTSTOP	Nil	34	35	35	36	35	26	27	27	28	26
			TSB2	40	40	42	42	42	29	30	33	33	33
			50G11, 50P14	41	42	43	44	43	30	31	34	35	35
			75G11, 75P14	-	-	44	45	44	-	-	35	36	36
			90G11, 90P14	-	-	-	45	44	-	-	-	36	36
SB.1E	1x10mm REGULAR	1x10mm WET AREA	Nil	32	33	33	34	33	25	25	25	25	24
			TSB2	35	37	38	40	39	26	27	27	30	30
			50G11, 50P14	37	39	39	41	41	27	28	28	31	31
			75G11, 75P14	-	-	40	42	42	-	-	29	32	32
			90G11, 90P14	-	-	-	42	42	-	-	-	32	32
SB.1F	1x10mm REGULAR	1x10mm SOUNDSTOP	Nil	33	33	34	35	34	26	26	26	27	24
			TSB2	37	39	40	41	41	27	28	29	32	32
			50G11, 50P14	38	40	41	43	42	29	29	31	33	33
			75G11, 75P14	-	-	42	44	43	-	-	32	34	34
			90G11, 90P14	-	-	-	44	43	-	-	-	34	34
SB.1G	1x10mm SOUNDSTOP	1x10mm WET AREA	Nil	33	34	35	34	34	26	26	26	27	25
			TSB2	38	39	40	42	41	28	28	30	33	33
			50G11, 50P14	39	40	42	43	42	29	29	31	34	34
			75G11, 75P14	-	-	43	44	43	-	-	32	35	35
			90G11, 90P14	-	-	-	44	44	-	-	-	35	35
SB.1H	1x10mm REGULAR	1x10mm IMPACTSTOP	Nil	33	33	34	35	34	26	26	26	27	24
			TSB2	37	39	40	41	41	27	28	29	32	32
			50G11, 50P14	38	40	41	43	42	29	29	31	33	33
			75G11, 75P14	-	-	42	44	43	-	-	32	34	34
			90G11, 90P14	-	-	-	44	43	-	-	-	34	34

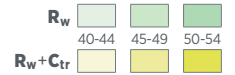
* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS										PRESSURE: 0.25 kPa		
STUD SPACING mm		400					600					
STUD SIZE mm		51	64	76	92	150	51	64	76	92	150	
BASE METAL THICKNESS mm	0.50	3130 d	3690 d	NA	NA	NA	2770 d	3330 d	NA	NA	NA	
	0.55	NA	NA	4160 d	4990 d	NA	NA	NA	3700 d	4540 d	NA	
	0.75	NA	4280 d	4930 d	5460 d	7340 2d	NA	3930 d	4430 d	4830 d	5330 h	
	1.15	NA	4590 d	5240 d	5840 d	7970 2h	NA	4170 d	4650 d	5110 d	5330 h	

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), h - head track capacity, 2h - head track capacity (2 rows of noggings)

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

LINED BOTH SIDES



SB.2

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 2x10mm non-fire resistant pbd
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 2x10mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	91	104	116	132	150	91	104	116	132	150
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB.2A	2x10mm REGULAR	2x10mm REGULAR	Nil	37	38	39	39	38	28	29	30	30	29
			TSB2	43	44	46	47	46	33	33	35	37	37
			50G11, 50P14	44	45	47	48	47	34	34	36	39	38
			75G11, 75P14	-	-	48	49	48	-	-	37	40	39
			90G11, 90P14	-	-	-	50	49	-	-	-	41	41
SB.2B	2x10mm WET AREA	2x10mm WET AREA	Nil	38	39	40	40	39	29	31	31	31	30
			TSB2	45	45	47	48	46	35	35	37	38	38
			50G11, 50P14	46	47	48	49	48	36	36	38	39	39
			75G11, 75P14	-	-	49	50	49	-	-	39	41	41
			90G11, 90P14	-	-	-	51	50	-	-	-	42	42
SB.2C	2x10mm SOUNDSTOP	2x10mm SOUNDSTOP	Nil	41	41	42	43	42	32	32	33	34	32
			TSB2	46	47	48	48	47	36	38	40	40	40
			50G11, 50P14	48	49	50	50	49	38	40	41	43	42
			75G11, 75P14	-	-	51	51	50	-	-	42	44	44
			90G11, 90P14	-	-	-	52	51	-	-	-	45	45
SB.2D	2x10mm IMPACTSTOP	2x10mm IMPACTSTOP	Nil	41	41	42	43	42	32	32	33	34	32
			TSB2	46	47	48	48	47	36	38	40	40	40
			50G11, 50P14	48	49	50	50	49	38	40	41	43	42
			75G11, 75P14	-	-	51	51	50	-	-	42	44	44
			90G11, 90P14	-	-	-	52	51	-	-	-	45	45
SB.2E	2x10mm REGULAR	2x10mm WET AREA	Nil	37	39	40	40	39	28	30	31	31	29
			TSB2	44	45	46	48	46	34	34	36	38	38
			50G11, 50P14	45	46	47	49	47	35	35	37	39	39
			75G11, 75P14	-	-	49	50	48	-	-	38	40	40
			90G11, 90P14	-	-	-	51	49	-	-	-	41	41
SB.2F	2x10mm REGULAR	2x10mm SOUNDSTOP	Nil	39	40	41	41	40	30	32	32	32	30
			TSB2	46	46	47	48	47	36	36	38	39	39
			50G11, 50P14	47	48	49	49	48	37	37	39	40	40
			75G11, 75P14	-	-	50	51	49	-	-	40	42	42
			90G11, 90P14	-	-	-	52	50	-	-	-	43	42
SB.2G	2x10mm SOUNDSTOP	2x10mm WET AREA	Nil	40	41	41	42	41	31	32	32	32	31
			TSB2	45	47	48	48	47	34	37	39	40	40
			50G11, 50P14	46	48	49	50	48	35	38	40	41	41
			75G11, 75P14	-	-	50	51	49	-	-	41	42	42
			90G11, 90P14	-	-	-	52	50	-	-	-	43	43
SB.2H	2x10mm REGULAR	2x10mm IMPACTSTOP	Nil	39	40	41	41	40	30	32	32	32	30
			TSB2	46	46	47	48	47	36	36	38	39	39
			50G11, 50P14	47	48	49	49	48	37	37	39	40	40
			75G11, 75P14	-	-	50	51	49	-	-	40	42	42
			90G11, 90P14	-	-	-	52	50	-	-	-	43	42

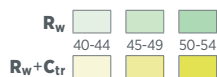
* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS							PRESSURE: 0.25 kPa				
STUD SPACING mm		400					600				
STUD SIZE mm		51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3130 d	3690 d	NA	NA	NA	2770 d	3330 d	NA	NA	NA
	0.55	NA	NA	4160 d	4990 d	NA	NA	NA	3700 d	4540 d	NA
	0.75	NA	4280 d	4930 d	5460 d	7340 2d	NA	3930 d	4430 d	4830 d	5330 h
	1.15	NA	4590 d	5240 d	5840 d	7970 2h	NA	4170 d	4650 d	5110 d	5330 h

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), h - head track capacity, 2h - head track capacity (2 rows of noggings)

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

LINED BOTH SIDES



SB.3

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x13mm non-fire resistant pbd
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	77	90	102	118	176	77	90	102	118	176
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB.3A	1x13mm REGULAR	1x13mm REGULAR	Nil	33	34	35	35	34	26	26	27	27	25
			TSB2	38	38	40	41	40	28	28	30	32	32
			50G11, 50P14	39	39	41	42	41	28	29	31	33	33
			75G11, 75P14	-	-	42	43	42	-	-	32	34	34
			90G11, 90P14	-	-	-	43	42	-	-	-	34	34
SB.3B	1x13mm WET AREA	1x13mm WET AREA	Nil	34	35	36	36	35	26	27	28	29	26
			TSB2	39	40	41	42	41	28	30	32	33	33
			50G11, 50P14	40	41	42	43	42	29	31	33	34	34
			75G11, 75P14	-	-	43	44	43	-	-	34	35	35
			90G11, 90P14	-	-	-	44	43	-	-	-	35	35
SB.3C	1x13mm SOUNDSTOP	1x13mm SOUNDSTOP	Nil	36	37	38	39	37	28	29	30	31	29
			TSB2	41	42	43	44	42	31	34	34	36	35
			50G11, 50P14	42	43	44	45	43	32	35	35	37	36
			75G11, 75P14	-	-	45	46	44	-	-	36	38	37
			90G11, 90P14	-	-	-	46	44	-	-	-	38	37
SB.3D	1x13mm IMPACTSTOP	1x13mm IMPACTSTOP	Nil	36	37	38	39	37	28	29	30	31	29
			TSB2	41	42	43	44	42	31	34	34	36	35
			50G11, 50P14	42	43	44	45	43	32	35	35	37	36
			75G11, 75P14	-	-	45	46	44	-	-	36	38	37
			90G11, 90P14	-	-	-	46	44	-	-	-	38	37
SB.3E	1x13mm REGULAR	1x13mm WET AREA	Nil	33	34	35	36	35	28	29	29	30	28
			TSB2	38	39	41	41	41	28	29	31	32	32
			50G11, 50P14	39	40	42	42	42	29	30	32	33	33
			75G11, 75P14	-	-	43	43	43	-	-	33	34	34
			90G11, 90P14	-	-	-	43	43	-	-	-	34	34
SB.3F	1x13mm REGULAR	1x13mm SOUNDSTOP	Nil	35	36	36	37	36	27	28	28	29	27
			TSB2	40	41	42	42	41	29	31	34	34	33
			50G11, 50P14	41	42	43	43	42	30	32	35	35	34
			75G11, 75P14	-	-	44	44	43	-	-	36	36	35
			90G11, 90P14	-	-	-	44	43	-	-	-	36	35
SB.3G	1x13mm SOUNDSTOP	1x13mm WET AREA	Nil	35	36	37	38	37	28	28	29	30	28
			TSB2	40	41	42	43	42	29	32	35	35	34
			50G11, 50P14	41	42	43	44	43	30	33	36	36	35
			75G11, 75P14	-	-	44	45	44	-	-	37	37	36
			90G11, 90P14	-	-	-	45	44	-	-	-	37	36
SB.3H	1x13mm REGULAR	1x13mm IMPACTSTOP	Nil	35	36	36	37	36	27	28	28	29	27
			TSB2	40	41	42	42	41	29	31	33	33	33
			50G11, 50P14	41	42	43	43	42	30	32	34	34	34
			75G11, 75P14	-	-	44	44	43	-	-	35	35	35
			90G11, 90P14	-	-	-	44	43	-	-	-	35	35

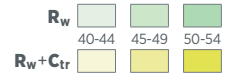
* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS							PRESSURE: 0.25 kPa				
STUD SPACING mm		400					600				
STUD SIZE mm		51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3510 d	4020 d	NA	NA	NA	3200 d	3720 d	NA	NA	NA
	0.55	NA	NA	4530 d	5330 d	NA	NA	NA	4130 d	4940 d	NA
	0.75	NA	4530 d	5450 d	6050 d	7610 2d	NA	4220 d	5020 d	5500 d	6990 2d
	1.15	NA	4810 d	5720 d	6380 d	8190 2d	NA	4430 d	5220 d	5750 d	7520 2d

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings)

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

LINED BOTH SIDES



SB.4

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x13mm non-fire resistant pbd
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	90	103	115	131	189	90	103	115	131	189
				STUD SIZE mm	51	64	76	92	150	51	64	76	92
			INSULATION*	R _w					R _w +C _{tr}				
SB.4A	1x13mm REGULAR	2x13mm REGULAR	Nil	37	38	39	40	39	29	29	30	31	29
			TSB2	42	43	44	45	44	30	32	32	34	34
			50G11, 50P14	43	44	45	46	45	31	33	33	35	35
			75G11, 75P14	-	-	46	47	46	-	-	34	36	36
			90G11, 90P14	-	-	-	48	47	-	-	-	37	37
SB.4B	1x13mm WET AREA	2x13mm WET AREA	Nil	39	39	40	41	40	29	30	31	31	30
			TSB2	43	45	45	46	45	31	34	34	36	36
			50G11, 50P14	44	46	46	47	46	32	35	35	37	37
			75G11, 75P14	-	-	47	48	47	-	-	36	38	38
			90G11, 90P14	-	-	-	49	48	-	-	-	39	39
SB.4C	1x13mm SOUNDSTOP	2x13mm SOUNDSTOP	Nil	40	42	42	43	42	31	33	33	34	32
			TSB2	46	46	47	48	46	36	36	38	38	38
			50G11, 50P14	47	47	48	49	47	37	37	39	39	39
			75G11, 75P14	-	-	49	50	48	-	-	40	40	40
			90G11, 90P14	-	-	-	51	49	-	-	-	41	41
SB.4D	1x13mm IMPACTSTOP	2x13mm IMPACTSTOP	Nil	40	42	42	43	42	31	33	33	34	32
			TSB2	46	46	47	48	46	36	36	38	38	38
			50G11, 50P14	47	47	48	49	47	37	37	39	39	39
			75G11, 75P14	-	-	49	50	48	-	-	40	40	40
			90G11, 90P14	-	-	-	51	49	-	-	-	41	41
SB.4E	1x13mm REGULAR	2x13mm WET AREA	Nil	38	39	40	41	39	29	29	31	32	29
			TSB2	42	44	45	46	44	30	33	33	35	35
			50G11, 50P14	43	45	46	47	45	31	34	34	36	36
			75G11, 75P14	-	-	47	48	46	-	-	35	37	37
			90G11, 90P14	-	-	-	49	47	-	-	-	38	38
SB.4F	1x13mm REGULAR	2x13mm SOUNDSTOP	Nil	39	40	41	42	41	30	31	32	32	31
			TSB2	44	46	46	47	45	32	35	36	37	37
			50G11, 50P14	45	47	47	48	46	33	36	37	38	38
			75G11, 75P14	-	-	48	49	47	-	-	38	39	39
			90G11, 90P14	-	-	-	50	48	-	-	-	40	40
SB.4G	1x13mm SOUNDSTOP	2x13mm WET AREA	Nil	40	41	42	42	41	31	32	33	33	31
			TSB2	44	45	46	47	46	33	34	36	38	37
			50G11, 50P14	45	46	47	48	47	34	35	37	39	38
			75G11, 75P14	-	-	48	49	48	-	-	38	40	39
			90G11, 90P14	-	-	-	50	49	-	-	-	41	40
SB.4H	1x13mm REGULAR	2x13mm IMPACTSTOP	Nil	39	40	41	42	41	30	31	32	32	31
			TSB2	44	46	46	47	45	32	35	36	37	37
			50G11, 50P14	45	47	47	48	46	33	36	37	38	38
			75G11, 75P14	-	-	48	49	47	-	-	38	39	39
			90G11, 90P14	-	-	-	50	48	-	-	-	40	40

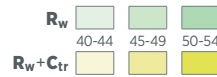
* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS								PRESSURE: 0.25 kPa				
STUD SPACING mm		400					600					
STUD SIZE mm		51	64	76	92	150	51	64	76	92	150	
BASE METAL THICKNESS mm	0.50	3510 d	4020 d	NA	NA	NA	3200 d	3720 d	NA	NA	NA	
	0.55	NA	NA	4530 d	5330 d	NA	NA	NA	4130 d	4940 d	NA	
	0.75	NA	4530 d	5450 d	6050 d	7610 2d	NA	4220 d	5020 d	5500 d	6990 2d	
	1.15	NA	4810 d	5720 d	6380 d	8190 2d	NA	4430 d	5220 d	5750 d	7520 2d	

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings)

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

LINED BOTH SIDES



SB.5

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 2x13mm non-fire resistant pbd
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	103	116	128	144	202	103	116	128	144	202
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB.5A	2x13mm REGULAR	2x13mm REGULAR	Nil	42	43	44	45	44	34	35	36	36	34
			TSB2	46	47	48	49	47	35	38	39	40	40
			50G11, 50P14	47	48	49	50	48	36	39	40	41	41
			75G11, 75P14	-	-	50	51	49	-	-	41	42	42
			90G11, 90P14	-	-	-	52	50	-	-	-	43	43
SB.5B	2x13mm WET AREA	2x13mm WET AREA	Nil	44	44	45	46	45	36	36	36	37	35
			TSB2	47	48	49	49	47	37	40	40	42	42
			50G11, 50P14	48	49	50	50	48	38	41	41	43	43
			75G11, 75P14	-	-	51	51	49	-	-	42	44	44
			90G11, 90P14	-	-	-	52	50	-	-	-	45	45
SB.5C	2x13mm SOUNDSTOP	2x13mm SOUNDSTOP	Nil	46	47	47	48	47	38	39	39	39	38
			TSB2	49	49	50	50	48	41	42	43	45	44
			50G11, 50P14	50	50	51	51	49	42	43	44	46	45
			75G11, 75P14	-	-	52	52	50	-	-	45	47	46
			90G11, 90P14	-	-	-	53	51	-	-	-	48	47
SB.5D	2x13mm IMPACTSTOP	2x13mm IMPACTSTOP	Nil	46	47	47	48	47	38	39	39	39	38
			TSB2	49	49	50	50	48	41	42	43	45	44
			50G11, 50P14	50	50	51	51	49	42	43	44	46	45
			75G11, 75P14	-	-	52	52	50	-	-	45	47	46
			90G11, 90P14	-	-	-	53	51	-	-	-	48	47
SB.5E	2x13mm REGULAR	2x13mm WET AREA	Nil	43	44	45	45	45	35	35	36	36	35
			TSB2	46	48	48	49	47	36	39	40	41	41
			50G11, 50P14	47	49	49	50	48	37	40	41	42	42
			75G11, 75P14	-	-	50	51	49	-	-	42	43	43
			90G11, 90P14	-	-	-	52	50	-	-	-	44	44
SB.5F	2x13mm REGULAR	2x13mm SOUNDSTOP	Nil	45	45	46	47	46	37	37	37	38	36
			TSB2	47	49	49	50	48	38	41	41	43	42
			50G11, 50P14	48	50	50	51	49	39	42	42	44	43
			75G11, 75P14	-	-	51	52	50	-	-	43	45	44
			90G11, 90P14	-	-	-	53	51	-	-	-	46	45
SB.5G	2x13mm SOUNDSTOP	2x13mm WET AREA	Nil	45	46	47	47	47	37	37	38	38	37
			TSB2	48	49	49	50	48	39	41	42	43	43
			50G11, 50P14	49	50	50	51	49	40	42	43	44	44
			75G11, 75P14	-	-	51	52	50	-	-	44	45	45
			90G11, 90P14	-	-	-	53	51	-	-	-	46	46
SB.5H	2x13mm REGULAR	2x13mm IMPACTSTOP	Nil	45	45	46	47	46	37	37	37	38	36
			TSB2	47	49	49	50	48	38	41	41	43	42
			50G11, 50P14	48	50	50	51	49	39	42	42	44	43
			75G11, 75P14	-	-	51	52	50	-	-	43	45	44
			90G11, 90P14	-	-	-	53	51	-	-	-	46	45

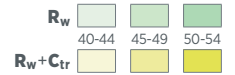
* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS							PRESSURE: 0.25 kPa				
STUD SPACING mm		400					600				
STUD SIZE mm		51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3510 d	4020 d	NA	NA	NA	3200 d	3720 d	NA	NA	NA
	0.55	NA	NA	4530 d	5330 d	NA	NA	NA	4130 d	4940 d	NA
	0.75	NA	4530 d	5450 d	6050 d	7610 2d	NA	4220 d	5020 d	5500 d	6990 2d
	1.15	NA	4810 d	5720 d	6380 d	8190 2d	NA	4430 d	5220 d	5750 d	7520 2d

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings)

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

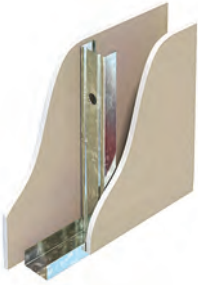
LINED BOTH SIDES



SB60.1

FIRE RESISTANCE LEVEL
 NLB **-/60/60**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: FCO-1045, FCO-1360, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 1x13mm fire resistant pbd
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	77	90	102	118	176	77	90	102	118	176
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB60.1A	1x13mm FIRESTOP	1x13mm FIRESTOP	Nil	34	35	36	37	36	27	28	28	30	27
			TSB2	39	41	42	42	41	29	32	33	33	33
			50G11, 50P14	40	42	43	43	42	30	33	34	34	34
			75G11, 75P14	-	-	45	45	44	-	-	36	36	36
			90G11, 90P14	-	-	-	45	44	-	-	-	36	36
SB60.1B	1x13mm MULTISTOP	1x13mm MULTISTOP	Nil	36	37	38	39	37	28	29	30	31	29
			TSB2	41	42	43	44	42	31	34	34	36	35
			50G11, 50P14	42	43	44	45	43	32	35	35	37	36
			75G11, 75P14	-	-	45	46	44	-	-	36	38	37
			90G11, 90P14	-	-	-	46	44	-	-	-	38	37
SB60.1C	1x13mm FIRESTOP	1x13mm MULTISTOP	Nil	35	36	37	38	36	28	28	30	30	28
			TSB2	40	42	42	43	42	30	33	33	35	35
			50G11, 50P14	41	43	43	45	43	31	34	34	36	36
			75G11, 75P14	-	-	45	46	44	-	-	36	37	37
			90G11, 90P14	-	-	-	46	44	-	-	-	37	37

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	400					600					
	STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3500 f	4020 d	NA	NA	NA	3200 d	3720 d	NA	NA	NA
	0.55	NA	NA	4530 d	5330 d	NA	NA	NA	4130 d	4940 d	NA
	0.75	NA	4530 d	5300 f	6050 d	7610 2d	NA	4220 d	5020 d	5500 d	6990 2d
	1.15	NA	4810 d	5720 d	6380 d	8190 2d	NA	4430 d	5220 d	5750 d	7520 2d

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

SB60.2

FIRE RESISTANCE LEVEL
 NLB **-/60/60**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: FCO-1045, FCO-1360



SYSTEM DESCRIPTION

- Side 1:** 1x13mm Firestop
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x13mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	87	100	112	128	186	87	100	112	128	186
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB60.2A	1x13mm FIRESTOP	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	90G11, 90P14	-	-	-	50	-	-	-	-	40	-

* 50/75/90G11 - 90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 50/75/90P14 - 90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS *

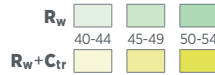
PRESSURE: 0.25 kPa

STUD SPACING mm	400					600					
	STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3500 f	4020 d	NA	NA	NA	3200 d	3720 d	NA	NA	NA
	0.55	NA	NA	4530 d	5330 d	NA	NA	NA	4130 d	4940 d	NA
	0.75	NA	4530 d	5300 f	6050 d	7610 2d	NA	4220 d	5020 d	5500 d	6990 2d
	1.15	NA	4810 d	5720 d	6380 d	8190 2d	NA	4430 d	5220 d	5750 d	7520 2d

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector



LINED BOTH SIDES

SB60.3

FIRE RESISTANCE LEVEL
 NLB **-/60/60**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: FCO-1045, FCO-1360



SYSTEM DESCRIPTION

- Side 1:** 1x13mm Wet Area Firestop + 1x10mm Fiberock
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x13mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	97	110	122	138	196	97	110	122	138	195
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB60.3A	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	Nil	42	43	44	45	44	36	36	37	37	36
			TSB2	47	48	49	50	48	38	41	41	42	42
			50G11, 50P14	48	50	50	51	49	39	42	42	43	43
			75G11, 75P14	-	-	51	52	50	-	-	43	45	44
			90G11, 90P14	-	-	-	53	51	-	-	-	46	45

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	400					600					
	STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3500 f	4020 d	NA	NA	NA	3200 d	3720 d	NA	NA	NA
	0.55	NA	NA	4530 d	5330 d	NA	NA	NA	4130 d	4940 d	NA
	0.75	NA	4530 d	5300 f	6050 d	7610 2d	NA	4220 d	5020 d	5500 d	6990 2d
	1.15	NA	4810 d	5720 d	6380 d	8190 2d	NA	4430 d	5220 d	5750 d	7520 2d

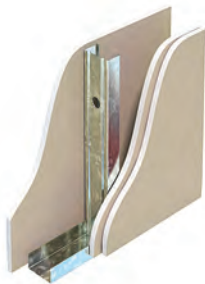
Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), f - fire height

*Refer Rondo for maximum heights for load bearing walls

SB90.1

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: SI 515, FCO-1360, FCO-1045, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 1x13mm fire resistant pbd
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	90	103	115	131	189	90	103	115	131	189
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB90.1A	1x13mm FIRESTOP	2x13mm FIRESTOP	Nil	40	41	42	42	41	30	32	32	32	31
			TSB2	44	45	46	47	45	33	34	35	37	37
			50G11, 50P14	45	46	47	48	47	34	35	37	39	38
			75G11, 75P14	-	-	48	49	48	-	-	38	40	39
			90G11, 90P14	-	-	-	50	49	-	-	-	41	40
SB90.1B	1x13mm MULTISTOP	2x13mm MULTISTOP	Nil	40	42	42	43	42	31	33	33	34	32
			TSB2	46	46	47	48	46	36	36	38	38	38
			50G11, 50P14	47	47	48	49	47	37	37	39	40	40
			75G11, 75P14	-	-	49	50	48	-	-	40	41	41
			90G11, 90P14	-	-	-	51	49	-	-	-	42	42
SB90.1C	1x13mm FIRESTOP	2x13mm MULTISTOP	Nil	40	41	42	43	42	30	33	33	33	32
			TSB2	45	46	47	47	46	35	35	37	38	38
			50G11, 50P14	46	47	48	49	47	36	36	38	39	39
			75G11, 75P14	-	-	49	50	48	-	-	39	40	40
			90G11, 90P14	-	-	-	51	49	-	-	-	41	41

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

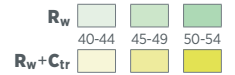
STUD SPACING mm	400					600					
	STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2900 f	3500 f	NA	NA	NA	2900 f	3500 f	NA	NA	NA
	0.55	NA	NA	4100 f	5100 f	NA	NA	NA	4100 f	4940 d	NA
	0.75	NA	3900 f	4500 f	5200 f	7500 f	NA	3900 f	4500 f	5200 f	6990 2d
	1.15	NA	4300 f	5000 f	5800 f	8190 2d	NA	4300 f	5000 f	5750 d	7520 2d

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), f - fire height

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

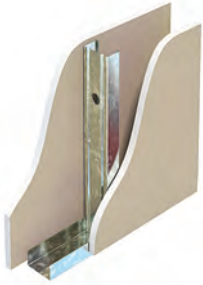
LINED BOTH SIDES



SB90.2

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **60/60/60**
 FROM BOTH SIDES

FRL Basis: FCO-1360, FCO-1045, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 1x16mm fire resistant pbd
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x16mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	83	96	108	124	182	83	96	108	124	182
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB90.2A	1x16mm FIRESTOP	1x16mm FIRESTOP	Nil	38	39	40	41	40	33	34	35	35	34
			TSB2	43	44	45	46	44	35	36	38	40	39
			50G11, 50P14	44	45	46	47	45	37	37	39	41	40
			75G11, 75P14	-	-	48	48	46	-	-	41	43	42
			90G11, 90P14	-	-	-	48	46	-	-	-	43	42
SB90.2B	1x16mm MULTISTOP	1x16mm MULTISTOP	Nil	38	39	40	41	40	33	35	36	36	35
			TSB2	44	45	46	46	44	38	38	40	41	40
			50G11, 50P14	45	46	47	47	45	39	39	41	42	42
			75G11, 75P14	-	-	48	48	46	-	-	42	43	43
			90G11, 90P14	-	-	-	48	46	-	-	-	43	43
SB90.2C	1x16mm FIRESTOP	1x16mm MULTISTOP	Nil	38	39	40	41	40	33	35	36	36	34
			TSB2	44	44	45	46	44	37	37	39	41	40
			50G11, 50P14	45	45	46	47	45	38	38	40	42	41
			75G11, 75P14	-	-	47	48	46	-	-	41	43	42
			90G11, 90P14	-	-	-	48	46	-	-	-	43	42

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	400					600					
	51	64	76	92	150	51	64	76	92	150	
BASE METAL THICKNESS mm	0.50	3400 f	4100 f	NA	NA	NA	3390 d	3910 d	NA	NA	NA
	0.55	NA	NA	4700 d	5560 d	NA	NA	NA	4300 d	5180 d	NA
	0.75	NA	4500 f	5200 f	6100 f	7750 2d	NA	4350 d	5260 d	5710 d	7190 2d
	1.15	NA	4950 d	5800 f	6580 d	8300 2d	NA	4520 d	5420 d	5930 d	7630 2d

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), f - fire height

*Refer Rondo for maximum heights for load bearing walls

SB90.3

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **60/60/60**
 FROM BOTH SIDES

FRL Basis: FCO-1360, FCO-1045



SYSTEM DESCRIPTION

- Side 1:** 1x16mm Firestop
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x16mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	93	106	118	134	192	93	106	118	134	192
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB90.3A	1x16mm FIRESTOP	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	50G11, 50P14	-	-	-	50	-	-	-	-	41	-

* 50/75/90G11 - 90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 50/75/90P14 - 90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

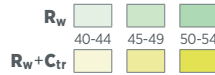
PRESSURE: 0.25 kPa

STUD SPACING mm	400					600					
	51	64	76	92	150	51	64	76	92	150	
BASE METAL THICKNESS mm	0.50	3400 f	4100 f	NA	NA	NA	3390 d	3910 d	NA	NA	NA
	0.55	NA	NA	4700 d	5560 d	NA	NA	NA	4300 d	5180 d	NA
	0.75	NA	4500 f	5200 f	6100 f	7750 2d	NA	4350 d	5260 d	5710 d	7190 2d
	1.15	NA	4950 d	5800 f	6580 d	8300 2d	NA	4520 d	5420 d	5930 d	7630 2d

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), f - fire height

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

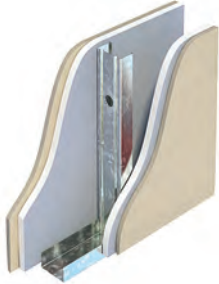


LINED BOTH SIDES

SB90.4

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **60/60/60**
 FROM BOTH SIDES

FRL Basis: FCO-1360, FCO-1045



SYSTEM DESCRIPTION

- Side 1:** 1x16mm Wet Area Firestop + 1x10mm Fiberock
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x16mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	103	116	128	144	202	103	116	128	144	202
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB90.4A	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	Nil	43	44	45	45	45	38	38	38	39	37
			TSB2	48	49	49	50	48	40	41	43	44	43
			50G11, 50P14	49	50	50	51	49	41	43	44	45	44
			75G11, 75P14	-	-	51	52	50	-	-	45	46	45
			90G11, 90P14	-	-	-	53	51	-	-	-	47	46

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm		400					600				
STUD SIZE mm		51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3400 f	4100 f	NA	NA	NA	3390 d	3910 d	NA	NA	NA
	0.55	NA	NA	4700 d	5560 d	NA	NA	NA	4300 d	5180 d	NA
	0.75	NA	4500 f	5200 f	6100 f	7750 2d	NA	4350 d	5260 d	5710 d	7190 2d
	1.15	NA	4950 d	5800 f	6580 d	8300 2d	NA	4520 d	5420 d	5930 d	7630 2d

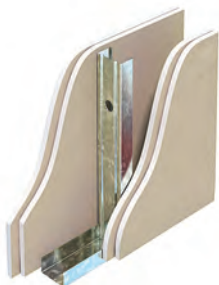
Height Limiting Factor: d - deflection, 2d - deflection (2 rows noggings), f - fire height

*Refer Rondo for maximum heights for load bearing walls

SB120.1

FIRE RESISTANCE LEVEL
 NLB **-/120/120**
 LB **90/90/90**
 FROM BOTH SIDES

FRL Basis: SI 720, SI 474, FCO-1360, FCO-1045, WFRA C91228, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 2x13mm fire resistant pbd
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	103	116	128	144	202	103	116	128	144	202
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SB120.1A	2x13mm FIRESTOP	2x13mm FIRESTOP	Nil	44	45	46	47	46	37	37	37	38	37
			TSB2	48	48	49	50	48	39	41	42	43	43
			50G11, 50P14	49	50	50	51	49	40	42	43	44	44
			75G11, 75P14	-	-	51	52	50	-	-	44	45	45
			90G11, 90P14	-	-	-	53	51	-	-	-	46	46
SB120.1B	2x13mm MULTISTOP	2x13mm MULTISTOP	Nil	46	47	47	48	47	38	39	39	39	38
			TSB2	49	49	50	50	48	41	42	43	45	44
			50G11, 50P14	50	51	51	52	49	42	44	45	46	45
			75G11, 75P14	-	-	52	53	50	-	-	46	47	46
			90G11, 90P14	-	-	-	54	51	-	-	-	48	47
SB120.1C	2x13mm FIRESTOP	2x13mm MULTISTOP	Nil	45	46	47	47	47	38	38	38	39	37
			TSB2	48	49	50	50	48	40	42	43	44	43
			50G11, 50P14	49	50	51	51	49	42	43	44	45	45
			75G11, 75P14	-	-	52	52	50	-	-	45	46	46
			90G11, 90P14	-	-	-	53	51	-	-	-	47	47

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

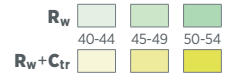
STUD SPACING mm		400					600				
STUD SIZE mm		51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	2600 f	3100 f	NA	NA	NA	2600 f	3100 f	NA	NA	NA
	0.55	NA	NA	3700 f	4600 f	NA	NA	NA	3700 f	4600 f	NA
	0.75	NA	3500 f	4000 f	4700 f	6700 f	NA	3500 f	4000 f	4700 f	6700 f
	1.15	NA	3900 f	4500 f	5200 f	7700 f	NA	3900 f	4500 f	5200 f	7520 2d

Height Limiting Factor: 2d - deflection (2 rows noggings), f - fire height

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

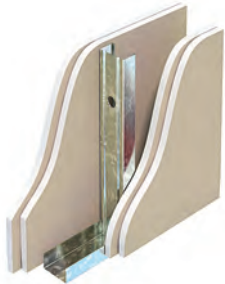
LINED BOTH SIDES



SB180.1

FIRE RESISTANCE LEVEL
 NLB **-/180/180**
 LB **120/120/120**
 FROM BOTH SIDES

FRL Basis: SI 1453, FCO-1360, FCO-1045, WFRA C91228, EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 2x16mm fire resistant pbd
Framing: Steel studs
Insulation: Refer to table
Side 2: 2x16mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	115	128	140	156	214	115	128	140	156	214
				R _w					R _w +C _{tr}				
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
SB180.1A	2x16mm FIRESTOP	2x16mm FIRESTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	45	46	47	47	47	38	38	39	39	38
			TSB2	49	50	50	51	49	40	42	43	44	43
			50G11, 50P14	50	51	51	52	50	41	43	44	45	44
			75G11, 75P14	-	-	53	53	51	-	-	45	46	46
SB180.1B	2x16mm MULTISTOP	2x16mm MULTISTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	46	47	47	48	47	39	40	40	41	39
			TSB2	50	51	51	51	49	42	43	44	45	44
			50G11, 50P14	51	52	52	52	50	43	44	45	46	45
			75G11, 75P14	-	-	53	53	51	-	-	46	47	46
SB180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	45	46	47	48	47	38	39	39	40	39
			TSB2	50	50	51	51	49	41	42	43	44	44
			50G11, 50P14	51	51	52	52	50	42	44	44	45	45
			75G11, 75P14	-	-	53	53	51	-	-	45	46	46
SB180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	45	46	47	48	47	38	39	39	40	39
			TSB2	50	50	51	51	49	41	42	43	44	44
			50G11, 50P14	51	51	52	52	50	42	44	44	45	45
			75G11, 75P14	-	-	53	53	51	-	-	45	46	46
SB180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	45	46	47	48	47	38	39	39	40	39
			TSB2	50	50	51	51	49	41	42	43	44	44
			50G11, 50P14	51	51	52	52	50	42	44	44	45	45
			75G11, 75P14	-	-	53	53	51	-	-	45	46	46
SB180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	45	46	47	48	47	38	39	39	40	39
			TSB2	50	50	51	51	49	41	42	43	44	44
			50G11, 50P14	51	51	52	52	50	42	44	44	45	45
			75G11, 75P14	-	-	53	53	51	-	-	45	46	46
SB180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	45	46	47	48	47	38	39	39	40	39
			TSB2	50	50	51	51	49	41	42	43	44	44
			50G11, 50P14	51	51	52	52	50	42	44	44	45	45
			75G11, 75P14	-	-	53	53	51	-	-	45	46	46
SB180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	45	46	47	48	47	38	39	39	40	39
			TSB2	50	50	51	51	49	41	42	43	44	44
			50G11, 50P14	51	51	52	52	50	42	44	44	45	45
			75G11, 75P14	-	-	53	53	51	-	-	45	46	46
SB180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	45	46	47	48	47	38	39	39	40	39
			TSB2	50	50	51	51	49	41	42	43	44	44
			50G11, 50P14	51	51	52	52	50	42	44	44	45	45
			75G11, 75P14	-	-	53	53	51	-	-	45	46	46
SB180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	45	46	47	48	47	38	39	39	40	39
			TSB2	50	50	51	51	49	41	42	43	44	44
			50G11, 50P14	51	51	52	52	50	42	44	44	45	45
			75G11, 75P14	-	-	53	53	51	-	-	45	46	46
SB180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	45	46	47	48	47	38	39	39	40	39
			TSB2	50	50	51	51	49	41	42	43	44	44
			50G11, 50P14	51	51	52	52	50	42	44	44	45	45
			75G11, 75P14	-	-	53	53	51	-	-	45	46	46

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS (SB180.1 & SB180.2)*

PRESSURE: 0.25 kPa

STUD SPACING mm	400					600					
	STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	1900 f	2300 f	NA	NA	NA	1900 f	2300 f	NA	NA	NA
	0.55	NA	NA	2700 f	3500 f	NA	NA	NA	2700 f	3500 f	NA
	0.75	NA	2700 f	3000 f	3500 f	5000 f	NA	2700 f	3000 f	3500 f	5000 f
	1.15	NA	3000 f	3500 f	4000 f	5900 f	NA	3000 f	3500 f	4000 f	5900 f

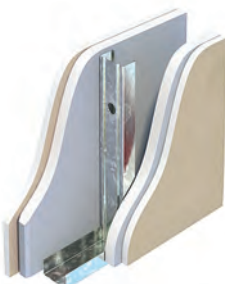
Height Limiting Factor: f - fire height

*Refer Rondo for maximum heights for load bearing walls

SB180.2

FIRE RESISTANCE LEVEL
 NLB **-/180/180**
 LB **120/120/120**
 FROM BOTH SIDES

FRL Basis: FCO-2440



SYSTEM DESCRIPTION

Side 1: 1x25 Shaftliner pbd + 1x16mm Firestop pbd
Framing: Steel studs + Linerstrips
Insulation: Refer to table
Side 2: 1x25 Shaftliner pbd + 1x16mm Firestop pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	133	146	158	174	232	133	146	158	174	232
				R _w					R _w +C _{tr}				
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
SB180.2A	1x25mm SHAFTLINER + 1x16mm FIRESTOP	1x25mm SHAFTLINER + 1x16mm FIRESTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	48	49	50	50	50	42	43	44	44	44
			TSB2	56	56	56	56	53	51	52	52	53	50
			50G11, 50P14	56	56	56	56	53	51	52	52	53	50
			75G11, 75P14	-	-	56	56	53	-	-	52	53	50
SB180.2A	1x25mm SHAFTLINER + 1x16mm FIRESTOP	1x25mm SHAFTLINER + 1x16mm FIRESTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	48	49	50	50	50	42	43	44	44	44
			TSB2	56	56	56	56	53	51	52	52	53	50
			50G11, 50P14	56	56	56	56	53	51	52	52	53	50
			75G11, 75P14	-	-	56	56	53	-	-	52	53	50
SB180.2A	1x25mm SHAFTLINER + 1x16mm FIRESTOP	1x25mm SHAFTLINER + 1x16mm FIRESTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	48	49	50	50	50	42	43	44	44	44
			TSB2	56	56	56	56	53	51	52	52	53	50
			50G11, 50P14	56	56	56	56	53	51	52	52	53	50
			75G11, 75P14	-	-	56	56	53	-	-	52	53	50
SB180.2A	1x25mm SHAFTLINER + 1x16mm FIRESTOP	1x25mm SHAFTLINER + 1x16mm FIRESTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	48	49	50	50	50	42	43	44	44	44
			TSB2	56	56	56	56	53	51	52	52	53	50
			50G11, 50P14	56	56	56	56	53	51	52	52	53	50
			75G11, 75P14	-	-	56	56	53	-	-	52	53	50
SB180.2A	1x25mm SHAFTLINER + 1x16mm FIRESTOP	1x25mm SHAFTLINER + 1x16mm FIRESTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	48	49	50	50	50	42	43	44	44	44
			TSB2	56	56	56	56	53	51	52	52	53	50
			50G11, 50P14	56	56	56	56	53	51	52	52	53	50
			75G11, 75P14	-	-	56	56	53	-	-	52	53	50
SB180.2A	1x25mm SHAFTLINER + 1x16mm FIRESTOP	1x25mm SHAFTLINER + 1x16mm FIRESTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	48	49	50	50	50	42	43	44	44	44
			TSB2	56	56	56	56	53	51	52	52	53	50
			50G11, 50P14	56	56	56	56	53	51	52	52	53	50
			75G11, 75P14	-	-	56	56	53	-	-	52	53	50
SB180.2A	1x25mm SHAFTLINER + 1x16mm FIRESTOP	1x25mm SHAFTLINER + 1x16mm FIRESTOP	INSULATION*	R _w					R _w +C _{tr}				
			Nil	48	49	50	50	50	42	43	44	44	44
			TSB2	56	56	56	56	53	51	52	52	53	50
			50G11, 50P14	56	56	56	56	53	51	52	52	53	50
			75G11, 75P14	-	-	56	56	53	-	-	52	53	50

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

For maximum wall heights contact USG Boral

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

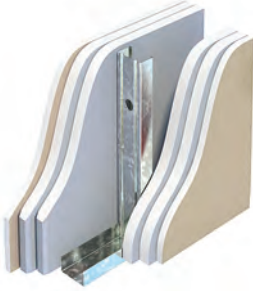
LINED BOTH SIDES

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SB240.1

FIRE RESISTANCE LEVEL
 NLB **-/240/240**
 LB **180/180/180**
 FROM BOTH SIDES

FRL Basis: FCO-2440



SYSTEM DESCRIPTION

- Side 1:** 2x25mm Shaftliner pbd
+ 1x16mm Firestop pbd
- Framing:** Steel studs + Linerstrips
- Insulation:** Refer to table
- Side 2:** 2x25mm Shaftliner pbd
+ 1x16mm Firestop pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05FQ2

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	183	196	208	224	282	183	196	208	224	282
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R_w					R_w+C_{tr}				
SB240.1A	2x25mm SHAFTLINER + 1x16mm FIRESTOP	2x25mm SHAFTLINER + 1x16mm FIRESTOP	Nil	54	55	56	57	56	48	49	50	51	50
			TSB2	60	60	60	60	57	56	57	57	57	55
			50G11, 50P14	60	60	60	60	57	56	57	57	57	55
			75G11, 75P14	-	-	60	60	57	-	-	57	57	55
			90G11, 90P14	-	-	-	60	57	-	-	-	57	55

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)

50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

For maximum wall heights contact USG Boral

FIBEROCK - LINED BOTH SIDES

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SBF.1

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 1x10mm Fiberock
Framing: Steel studs
Insulation: Refer to table
Side 2: 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	71	84	96	112	170	71	84	96	112	170
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R_w					R_w+C_{tr}				
SBF.1A	1x10mm FIBEROCK	1x10mm FIBEROCK	Nil	34	35	35	36	35	26	27	27	28	26
			TSB2	40	40	42	42	42	29	30	33	33	33
			50G11, 50P14	41	42	43	44	43	30	31	34	35	35
			75G11, 75P14	-	-	44	45	44	-	-	35	36	36
			90G11, 90P14	-	-	-	45	44	-	-	-	36	36

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

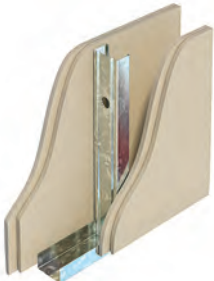
PRESSURE: 0.25 kPa

BASE METAL THICKNESS mm	400					600				
	STUD SPACING mm					STUD SPACING mm				
	51	64	76	92	150	51	64	76	92	150
0.50	3130 d	3690 d	NA	NA	NA	2770 d	3330 d	NA	NA	NA
0.55	NA	NA	4160 d	4990 d	NA	NA	NA	3700 d	4540 d	NA
0.75	NA	4280 d	4930 d	5460 d	7340 2d	NA	3930 d	4430 d	4830 d	5330 h
1.15	NA	4590 d	5240 d	5840 d	7970 2h	NA	4170 d	4650 d	5110 d	5330 h

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), h - head track capacity, 2h - head track capacity (2 rows of noggings)

SBF.2

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 2x10mm Fiberock
Framing: Steel studs
Insulation: Refer to table
Side 2: 2x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	91	104	116	132	190	91	104	116	132	190
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R_w					R_w+C_{tr}				
SBF.2A	2x10mm FIBEROCK	2x10mm FIBEROCK	Nil	41	41	42	43	42	32	32	33	34	32
			TSB2	46	47	48	48	47	36	38	40	40	40
			50G11, 50P14	48	49	50	50	49	38	40	41	43	42
			75G11, 75P14	-	-	51	51	50	-	-	42	44	44
			90G11, 90P14	-	-	-	52	51	-	-	-	45	45

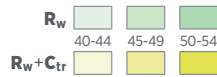
* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

BASE METAL THICKNESS mm	400					600				
	STUD SPACING mm					STUD SPACING mm				
	51	64	76	92	150	51	64	76	92	150
0.50	3130 d	3690 d	NA	NA	NA	2770 d	3330 d	NA	NA	NA
0.55	NA	NA	4160 d	4990 d	NA	NA	NA	3700 d	4540 d	NA
0.75	NA	4280 d	4930 d	5460 d	7340 2d	NA	3930 d	4430 d	4830 d	5330 h
1.15	NA	4590 d	5240 d	5840 d	7970 2h	NA	4170 d	4650 d	5110 d	5330 h

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), h - head track capacity, 2h - head track capacity (2 rows of noggings)

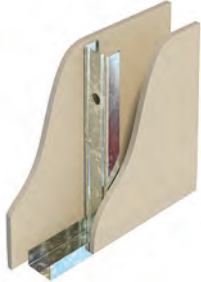


FIBEROCK - LINED BOTH SIDES

SBF30.1

FIRE RESISTANCE LEVEL
 NLB **-/30/30**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: FAR2396, FAR3242



SYSTEM DESCRIPTION

Side 1: 1x13mm Fiberock
Framing: Steel studs
Insulation: Refer to table
Side 2: 1x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	77	90	102	118	176	77	90	102	118	176					
				STUD SIZE mm					R _w					R _w +C _{tr}				
				51	64	76	92	150	51	64	76	92	150	51	64	76	92	150
SBF30.1A	1x13mm FIBEROCK	1x13mm FIBEROCK	Nil	36	37	38	39	37	28	29	30	31	29					
			TSB2	41	42	43	44	42	31	34	34	36	35					
			50G11, 50P14	42	44	44	45	43	32	35	35	37	36					
			75G11, 75P14	-	-	45	46	44	-	-	36	38	37					
			90G11, 90P14	-	-	-	46	44	-	-	-	38	37					

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

BASE METAL THICKNESS mm	STUD SPACING mm	400					600				
		STUD SIZE mm					STUD SIZE mm				
		51	64	76	92	150	51	64	76	92	150
0.50	0.50	3510 d	4020 d	NA	NA	NA	3200 d	3720 d	NA	NA	NA
	0.55	NA	NA	4530 d	5330 d	NA	NA	NA	4130 d	4940 d	NA
	0.75	NA	4530 d	5450 d	6050 d	7610 2d	NA	4220 d	5020 d	5500 d	6990 2d
	1.15	NA	4810 d	5720 d	6380 d	8190 2d	NA	4430 d	5220 d	5750 d	7520 2d

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

SBF30.2

FIRE RESISTANCE LEVEL
 NLB **-/30/30**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: FAR2396, FAR3242



SYSTEM DESCRIPTION

Side 1: 1x13mm Fiberock
Framing: Steel studs
Insulation: Refer to table
Side 2: 2x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	90	103	115	131	189	90	103	115	131	189					
				STUD SIZE mm					R _w					R _w +C _{tr}				
				51	64	76	92	150	51	64	76	92	150	51	64	76	92	150
SBF30.2A	1x13mm FIBEROCK	2x13mm FIBEROCK	Nil	40	42	42	43	42	31	33	33	34	32					
			TSB2	46	46	47	48	46	36	36	38	38	38					
			50G11, 50P14	47	47	48	49	47	37	37	39	40	40					
			75G11, 75P14	-	-	49	50	48	-	-	40	41	41					
			90G11, 90P14	-	-	-	51	49	-	-	-	42	42					

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

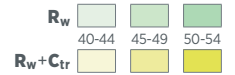
BASE METAL THICKNESS mm	STUD SPACING mm	400					600				
		STUD SIZE mm					STUD SIZE mm				
		51	64	76	92	150	51	64	76	92	150
0.50	0.50	3510 d	4020 d	NA	NA	NA	3200 d	3720 d	NA	NA	NA
	0.55	NA	NA	4530 d	5330 d	NA	NA	NA	4130 d	4940 d	NA
	0.75	NA	4530 d	5450 d	6050 d	7610 2d	NA	4220 d	5020 d	5500 d	6990 2d
	1.15	NA	4810 d	5720 d	6380 d	8190 2d	NA	4430 d	5220 d	5750 d	7520 2d

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector

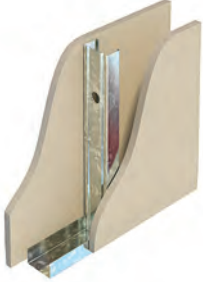
FIBEROCK - LINED BOTH SIDES



SBF60.1

FIRE RESISTANCE LEVEL
 NLB **-/60/60**
 LB **60/60/60**
 FROM BOTH SIDES

FRL Basis: FSV1427a, FAR2311



SYSTEM DESCRIPTION

- Side 1:** 1x16mm Fiberock
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 1x16mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	83	96	108	124	182	83	96	108	124	182
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SBF60.1A	1x16mm FIBEROCK	1x16mm FIBEROCK	Nil	38	39	40	41	40	33	35	36	36	35
			TSB2	44	45	46	46	44	38	38	40	41	40
			50G11, 50P14	45	46	47	47	45	39	39	41	42	42
			75G11, 75P14	-	-	48	48	46	-	-	42	43	43
			90G11, 90P14	-	-	-	48	46	-	-	-	43	43

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	400					600					
	STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3620 d	4220 d	NA	NA	NA	3390 d	3910 d	NA	NA	NA
	0.55	NA	NA	4700 d	5560 d	NA	NA	NA	4300 d	5180 d	NA
	0.75	NA	4710 d	5710 d	6280 d	7750 2d	NA	4350 d	5260 d	5710 d	7190 2d
	1.15	NA	4950 d	5950 d	6580 d	8300 2d	NA	4520 d	5420 d	5930 d	7630 2d

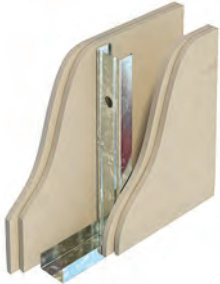
Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), f - fire height

*Refer Rondo for maximum heights for load bearing walls

SBF90.1[^]

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 FROM BOTH SIDES

FRL Basis: FAR4405



SYSTEM DESCRIPTION

- Side 1:** 2x13mm Fiberock
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	103	116	128	144	202	103	116	128	144	202
			STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
			INSULATION*	R _w					R _w +C _{tr}				
SBF90.1A	2x13mm FIBEROCK	2x13mm FIBEROCK	Nil	NA	47	47	NA	NA	NA	39	39	NA	NA
			TSB2	NA	49	50	NA	NA	NA	42	43	NA	NA
			50G11, 50P14	NA	51	51	NA	NA	NA	44	45	NA	NA
			75G11, 75P14	-	-	52	NA	NA	-	-	46	NA	NA
			90G11, 90P14	-	-	-	NA	NA	-	-	-	NA	NA

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

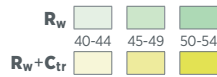
MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm	400					600					
	STUD SIZE mm	51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	NA	4020 d	NA	NA	NA	NA	3720 d	NA	NA	NA
	0.55	NA	NA	4530 d	NA	NA	NA	NA	4130 d	NA	NA
	0.75	NA	4530 d	5450 d	NA	NA	NA	4220 d	5020 d	NA	NA
	1.15	NA	4810 d	5720 d	NA	NA	NA	4430 d	5220 d	NA	NA

Height Limiting Factor: d - deflection

[^]System SBF90.1 must utilise 64mm or 76mm studs only.

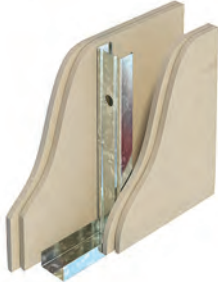


FIBEROCK - LINED BOTH SIDES

SBF120.1[^]

FIRE RESISTANCE LEVEL
NLB -/120/120
 FROM BOTH SIDES

FRL Basis: FAR4405



SYSTEM DESCRIPTION

- Side 1:** 2x13mm Fiberock
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	103					116					128					144					202									
				103					116					128					144					202									
				STUD SIZE mm					51					64					76					92					150				
			INSULATION*			R _w										R _w +C _{tr}																	
SBF120.1A	2x13mm FIBEROCK	2x13mm FIBEROCK	Nil	NA	NA	NA	46	45	NA	NA	NA	39	38	NA	NA	NA	44	44	NA	NA	NA	46	45	NA	NA	NA	47	46	NA	NA	NA	48	47
			TSB2	NA	NA	NA	50	48	NA	NA	NA	44	44	NA	NA	NA	46	45	NA	NA	NA	47	46	NA	NA	NA	48	47					
			50G11, 50P14	NA	NA	NA	52	49	NA	NA	NA	46	45	NA	NA	NA	48	47	NA	NA	NA	49	48	NA	NA	NA	50	49					
			75G11, 75P14	-	-	NA	53	50	-	-	NA	47	46	-	-	NA	48	47	-	-	NA	49	48	-	-	NA	50	49					
			90G11, 90P14	-	-	-	54	51	-	-	-	48	47	-	-	-	49	48	-	-	-	50	49	-	-	-	51	50					

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		400					600				
STUD SIZE mm		51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	0.55	NA	NA	NA	5330 d	NA	NA	NA	NA	4940 d	NA
	0.75	NA	NA	NA	6050 d	7610 2d	NA	NA	NA	5500 d	6990 2d
	1.15	NA	NA	NA	6380 d	8190 2d	NA	NA	NA	5750 d	7520 2d

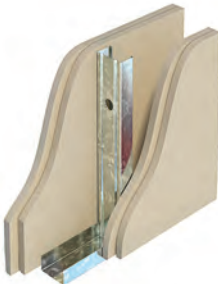
Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings)

[^]System SBF120.1 must utilise 92mm or 150mm studs only.

SBF120.2

FIRE RESISTANCE LEVEL
NLB -/120/120
 FROM BOTH SIDES

FRL Basis: FSV1401a



SYSTEM DESCRIPTION

- Side 1:** 2x16mm Fiberock
- Framing:** Steel studs
- Insulation:** Refer to table
- Side 2:** 2x16mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F02

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	115					128					140					156					214					
				115					128					140					156					214					
				STUD SIZE mm					51					64					76					92					150
			INSULATION*			R _w										R _w +C _{tr}													
SBF120.2A	2x16mm FIBEROCK	2x16mm FIBEROCK	Nil	46	47	47	48	47	39	40	40	41	39	40	41	41	42	41	42	43	43	44	45	44					
			TSB2	50	51	51	51	49	42	43	44	45	44	45	46	46	47	46	47	48	47	48	49	48					
			50G11, 50P14	51	52	52	52	50	43	44	45	46	45	46	47	47	48	47	48	49	48	49	50	49					
			75G11, 75P14	-	-	53	53	51	-	-	46	47	46	-	-	47	48	47	-	-	48	49	48	-	-				
			90G11, 90P14	-	-	-	54	52	-	-	-	48	47	-	-	-	49	48	-	-	-	50	49	-	-				

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

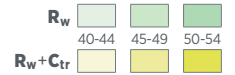
MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		400					600				
STUD SIZE mm		51	64	76	92	150	51	64	76	92	150
BASE METAL THICKNESS mm	0.50	3620 d	4220 d	NA	NA	NA	3390 d	3910 d	NA	NA	NA
	0.55	NA	NA	4700 d	5560 d	NA	NA	NA	4300 d	5180 d	NA
	0.75	NA	4710 d	5710 d	6280 d	7750 2d	NA	4350 d	5260 d	5710 d	7190 2d
	1.15	NA	4950 d	5950 d	6580 d	8300 2d	NA	4520 d	5420 d	5930 d	7630 2d

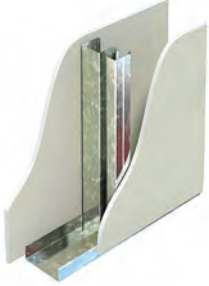
Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings)

QUIET STUD



SQ.1

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x10mm non-fire resistant pbd
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 1x10mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	112	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ.1A	1x10mm REGULAR	1x10mm REGULAR	Nil	37	29
			TSB2	41	32
			50G11, 50P14	43	33
			75G11, 75P14	44	34
			90G11, 90P14	44	34
SQ.1B	1x10mm WET AREA	1x10mm WET AREA	Nil	38	30
			TSB2	43	34
			50G11, 50P14	44	35
			75G11, 75P14	45	36
			90G11, 90P14	45	36
SQ.1C	1x10mm SOUNDSTOP	1x10mm SOUNDSTOP	Nil	40	32
			TSB2	45	36
			50G11, 50P14	47	37
			75G11, 75P14	48	38
			90G11, 90P14	48	38
SQ.1D	1x10mm IMPACTSTOP	1x10mm IMPACTSTOP	Nil	40	32
			TSB2	45	36
			50G11, 50P14	47	37
			75G11, 75P14	48	38
			90G11, 90P14	48	38
SQ.1E	1x10mm REGULAR	1x10mm WET AREA	Nil	38	30
			TSB2	42	33
			50G11, 50P14	43	34
			75G11, 75P14	44	35
			90G11, 90P14	44	35
SQ.1F	1x10mm REGULAR	1x10mm SOUNDSTOP	Nil	39	31
			TSB2	44	35
			50G11, 50P14	45	36
			75G11, 75P14	46	37
			90G11, 90P14	46	38
SQ.1G	1x10mm SOUNDSTOP	1x10mm WET AREA	Nil	39	31
			TSB2	45	36
			50G11, 50P14	46	37
			75G11, 75P14	47	38
			90G11, 90P14	47	38
SQ.1H	1x10mm REGULAR	1x10mm IMPACTSTOP	Nil	39	31
			TSB2	44	35
			50G11, 50P14	45	36
			75G11, 75P14	46	37
			90G11, 90P14	46	38

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS		PRESSURE: 0.25 kPa	
STUD SPACING mm		450	600
STUD SIZE mm		92	
BASE METAL THICKNESS mm	0.55	4020	3700

Source: Rondo Building Systems

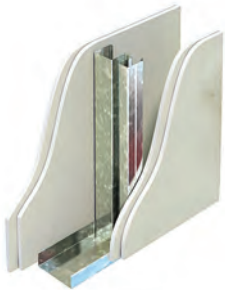
For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

QUIET STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SQ.2

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 2x10mm non-fire resistant pbd
Framing: Rondo QUIET STUD
Insulation: Refer to table
Side 2: 2x10mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	132	
			STUD SIZE mm	92	
			INSULATION*	R_w	R_w+C_{tr}
SQ.2A	2x10mm REGULAR	2x10mm REGULAR	Nil	44	36
			TSB2	50	41
			50G11, 50P14	51	42
			75G11, 75P14	52	43
			90G11, 90P14	53	44
SQ.2B	2x10mm WET AREA	2x10mm WET AREA	Nil	45	37
			TSB2	51	41
			50G11, 50P14	52	42
			75G11, 75P14	53	44
			90G11, 90P14	54	45
SQ.2C	2x10mm SOUNDSTOP	2x10mm SOUNDSTOP	Nil	48	40
			TSB2	53	45
			50G11, 50P14	54	46
			75G11, 75P14	55	47
			90G11, 90P14	56	48
SQ.2D	2x10mm IMPACTSTOP	2x10mm IMPACTSTOP	Nil	48	40
			TSB2	53	45
			50G11, 50P14	54	46
			75G11, 75P14	55	47
			90G11, 90P14	56	48
SQ.2E	2x10mm REGULAR	2x10mm WET AREA	Nil	45	37
			TSB2	50	41
			50G11, 50P14	51	42
			75G11, 75P14	53	43
			90G11, 90P14	54	44
SQ.2F	2x10mm REGULAR	2x10mm SOUNDSTOP	Nil	46	38
			TSB2	50	42
			50G11, 50P14	51	43
			75G11, 75P14	54	45
			90G11, 90P14	55	46
SQ.2G	2x10mm SOUNDSTOP	2x10mm WET AREA	Nil	47	38
			TSB2	52	43
			50G11, 50P14	53	44
			75G11, 75P14	55	45
			90G11, 90P14	56	46
SQ.2H	2x10mm REGULAR	2x10mm IMPACTSTOP	Nil	46	38
			TSB2	50	42
			50G11, 50P14	51	43
			75G11, 75P14	54	45
			90G11, 90P14	55	46

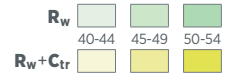
* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS		PRESSURE: 0.25 kPa	
STUD SPACING mm	450	600	
STUD SIZE mm	92		
BASE METAL THICKNESS mm	0.55	4020	3700

Source: Rondo Building Systems

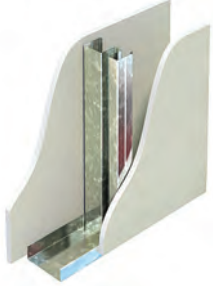
For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

QUIET STUD



SQ.3

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 1x13mm non-fire resistant pbd
Framing: Rondo QUIET STUD
Insulation: Refer to table
Side 2: 1x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	118	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ.3A	1x13mm REGULAR	1x13mm REGULAR	Nil	39	31
			TSB2	45	37
			50G11, 50P14	46	38
			75G11, 75P14	48	39
			90G11, 90P14	48	39
SQ.3B	1x13mm WET AREA	1x13mm WET AREA	Nil	40	32
			TSB2	46	36
			50G11, 50P14	47	37
			75G11, 75P14	48	38
			90G11, 90P14	48	38
SQ.3C	1x13mm SOUNDSTOP	1x13mm SOUNDSTOP	Nil	43	35
			TSB2	48	40
			50G11, 50P14	50	42
			75G11, 75P14	51	43
			90G11, 90P14	51	43
SQ.3D	1x13mm IMPACTSTOP	1x13mm IMPACTSTOP	Nil	43	35
			TSB2	48	40
			50G11, 50P14	50	42
			75G11, 75P14	51	43
			90G11, 90P14	51	43
SQ.3E	1x13mm REGULAR	1x13mm WET AREA	Nil	40	32
			TSB2	45	35
			50G11, 50P14	46	36
			75G11, 75P14	48	38
			90G11, 90P14	48	37
SQ.3F	1x13mm REGULAR	1x13mm SOUNDSTOP	Nil	41	33
			TSB2	47	37
			50G11, 50P14	48	38
			75G11, 75P14	49	39
			90G11, 90P14	49	39
SQ.3G	1x13mm SOUNDSTOP	1x13mm WET AREA	Nil	42	34
			TSB2	47	38
			50G11, 50P14	49	39
			75G11, 75P14	50	40
			90G11, 90P14	50	40
SQ.3H	1x13mm REGULAR	1x13mm IMPACTSTOP	Nil	41	33
			TSB2	47	37
			50G11, 50P14	48	38
			75G11, 75P14	49	39
			90G11, 90P14	49	39

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS		PRESSURE: 0.25 kPa	
STUD SPACING mm	450	600	
STUD SIZE mm	92		
BASE METAL THICKNESS mm	0.55	4410	4130

Source: Rondo Building Systems

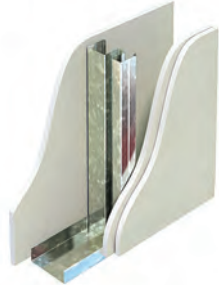
For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

QUIET STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SQ.4

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x13mm non-fire resistant lining
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 2x13mm non-fire resistant lining

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	131	
			STUD SIZE mm	92	
			INSULATION*	R_w	R_w+C_{tr}
SQ.4A	1x13mm REGULAR	2x13mm REGULAR	Nil	45	37
			TSB2	49	41
			50G11, 50P14	50	42
			75G11, 75P14	52	43
			90G11, 90P14	53	44
SQ.4B	1x13mm WET AREA	2x13mm WET AREA	Nil	46	37
			TSB2	50	43
			50G11, 50P14	52	44
			75G11, 75P14	53	45
			90G11, 90P14	54	46
SQ.4C	1x13mm SOUNDSTOP	2x13mm SOUNDSTOP	Nil	48	40
			TSB2	52	46
			50G11, 50P14	54	47
			75G11, 75P14	55	48
			90G11, 90P14	56	49
SQ.4D	1x13mm IMPACTSTOP	2x13mm IMPACTSTOP	Nil	48	40
			TSB2	52	46
			50G11, 50P14	54	47
			75G11, 75P14	55	48
			90G11, 90P14	56	49
SQ.4E	1x13mm REGULAR	2x13mm WET AREA	Nil	46	38
			TSB2	50	42
			50G11, 50P14	51	43
			75G11, 75P14	52	44
			90G11, 90P14	53	45
SQ.4F	1x13mm REGULAR	2x13mm SOUNDSTOP	Nil	47	38
			TSB2	51	44
			50G11, 50P14	53	45
			75G11, 75P14	54	46
			90G11, 90P14	55	47
SQ.4G	1x13mm SOUNDSTOP	2x13mm WET AREA	Nil	47	39
			TSB2	52	45
			50G11, 50P14	53	46
			75G11, 75P14	54	47
			90G11, 90P14	55	48
SQ.4H	2x13mm REGULAR	2x13mm IMPACTSTOP	Nil	47	38
			TSB2	51	44
			50G11, 50P14	53	45
			75G11, 75P14	54	46
			90G11, 90P14	55	47

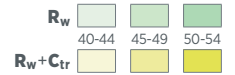
* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS		PRESSURE: 0.25 kPa	
STUD SPACING mm		450	600
STUD SIZE mm		92	
BASE METAL THICKNESS mm	0.55	4410	4130

Source: Rondo Building Systems

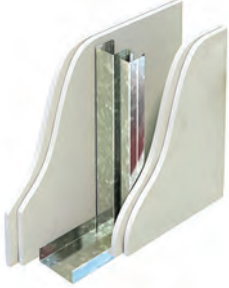
For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

QUIET STUD



SQ.5

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 2x13mm non-fire resistant lining
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 2x13mm non-fire resistant lining

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ.5A	2x13mm REGULAR	2x13mm REGULAR	Nil	45	38
			TSB2	51	45
			50G11, 50P14	53	46
			75G11, 75P14	54	47
			90G11, 90P14	55	48
SQ.5B	2x13mm WET AREA	2x13mm WET AREA	Nil	46	39
			TSB2	52	46
			50G11, 50P14	54	47
			75G11, 75P14	55	48
			90G11, 90P14	56	49
SQ.5C	2x13mm SOUNDSTOP	2x13mm SOUNDSTOP	Nil	49	41
			TSB2	54	50
			50G11, 50P14	55	51
			75G11, 75P14	56	52
			90G11, 90P14	57	53
SQ.5D	2x13mm IMPACTSTOP	2x13mm IMPACTSTOP	Nil	49	41
			TSB2	54	50
			50G11, 50P14	55	51
			75G11, 75P14	56	52
			90G11, 90P14	57	53
SQ.5E	2x13mm REGULAR	2x13mm WET AREA	Nil	46	38
			TSB2	52	45
			50G11, 50P14	53	47
			75G11, 75P14	54	48
			90G11, 90P14	55	49
SQ.5F	2x13mm REGULAR	2x13mm SOUNDSTOP	Nil	49	41
			TSB2	53	47
			50G11, 50P14	54	48
			75G11, 75P14	55	50
			90G11, 90P14	56	51
SQ.5G	2x13mm SOUNDSTOP	2x13mm WET AREA	Nil	48	40
			TSB2	53	48
			50G11, 50P14	54	49
			75G11, 75P14	56	50
			90G11, 90P14	57	51
SQ.5H	2x13mm REGULAR	2x13mm IMPACTSTOP	Nil	49	41
			TSB2	53	47
			50G11, 50P14	54	48
			75G11, 75P14	55	50
			90G11, 90P14	56	51

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS		PRESSURE: 0.25 kPa	
STUD SPACING mm	450	600	
STUD SIZE mm	92		
BASE METAL THICKNESS mm	0.55	4410	4130

Source: Rondo Building Systems

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

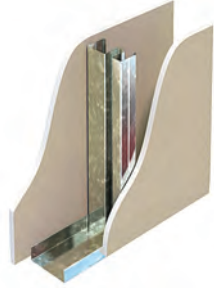
QUIET STUD

R _w	40-44	45-49	50-54
R _w +C _{tr}			

SQ60.1

FIRE RESISTANCE LEVEL
 NLB **-/60/60**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: FCO-2646, EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 1x13mm fire resistant pbd
Framing: Rondo QUIET STUD
Insulation: Refer to table
Side 2: 1x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	118	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ60.1A	1x13mm FIRESTOP	1x13mm FIRESTOP	Nil	42	34
			TSB2	47	38
			50G11, 50P14	48	39
			75G11, 75P14	49	40
			90G11, 90P14	49	40
SQ60.1B	1x13mm MULTISTOP	1x13mm MULTISTOP	Nil	43	35
			TSB2	48	40
			50G11, 50P14	50	42
			75G11, 75P14	51	43
			90G11, 90P14	51	43
SQ60.1C	1x13mm FIRESTOP	1x13mm MULTISTOP	Nil	42	35
			TSB2	48	39
			50G11, 50P14	49	40
			75G11, 75P14	50	41
			90G11, 90P14	50	41

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	
	4410	4130

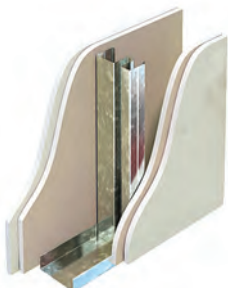
Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

SQ60.2

FIRE RESISTANCE LEVEL
 NLB **-/60/60**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: FCO-2646



SYSTEM DESCRIPTION

Side 1: 1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd
Framing: Rondo QUIET STUD
Insulation: Refer to table
Side 2: 1x13mm fire resistant pbd + 1x13mm non fire rated pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ60.2A	1x13mm FIRESTOP + 1x13mm REGULAR	1x13mm FIRESTOP + 1x13mm REGULAR	90G11, 90P14	56	50
SQ60.2B	1x13mm WET AREA FIRESTOP + 1x13mm WET AREA	1x13mm WET AREA FIRESTOP + 1x13mm WET AREA	90G11, 90P14	57	50

* 90G11 - 90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 90P14 - 90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

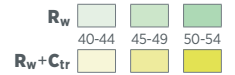
STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	
	4410	4130

Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

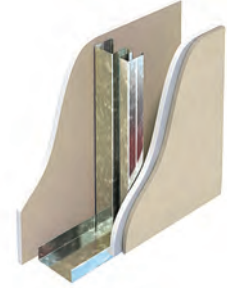
QUIET STUD



SQ60.3

FIRE RESISTANCE LEVEL
 NLB **-/60/60**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: FCO-2646



SYSTEM DESCRIPTION

- Side 1:** 1x13mm Wet Area Firestop pbd
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 1x13mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	128	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ60.3A	1x13mm FIRESTOP	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	TSB2	51	44
			50G11, 50P14	52	46

* 50G11 - 50mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50P14 - 50mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	
	4410	4130

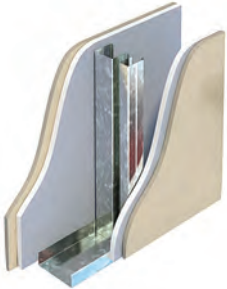
Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

SQ60.4

FIRE RESISTANCE LEVEL
 NLB **-/60/60**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: FCO-2646



SYSTEM DESCRIPTION

- Side 1:** 1x13mm Wet Area pbd + 1x10mm Fiberock
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 1x13mm Wet Area Firestop pbd + 1x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	138	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ60.4A	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	Nil	46	38
			TSB2	52	47
			50G11, 50P14	54	48
			75G11, 75P14	55	49
			90G11, 90P14	56	50

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

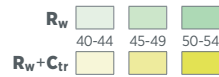
STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	
	4410	4130

Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector

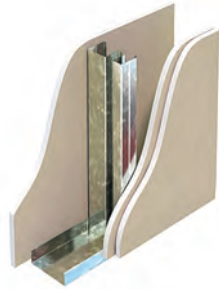
QUIET STUD



SQ90.1

FIRE RESISTANCE LEVEL
NLB **-/90/90**
LB **30/30/30**
FROM BOTH SIDES

FRL Basis: FCO-2646, EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 1x13mm fire resistant pbd
Framing: Rondo QUIET STUD
Insulation: Refer to table
Side 2: 2x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	131	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ90.1A	1x13mm FIRESTOP	2x13mm FIRESTOP	Nil	46	38
			TSB2	51	45
			50G11, 50P14	53	46
			75G11, 75P14	54	47
			90G11, 90P14	55	48
SQ90.1B	1x13mm MULTISTOP	2x13mm MULTISTOP	Nil	48	40
			TSB2	52	46
			50G11, 50P14	54	47
			75G11, 75P14	55	48
			90G11, 90P14	56	49
SQ90.1C	1x13mm FIRESTOP	2x13mm MULTISTOP	Nil	47	39
			TSB2	52	45
			50G11, 50P14	53	46
			75G11, 75P14	54	47
			90G11, 90P14	56	49

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	
	4410	4130

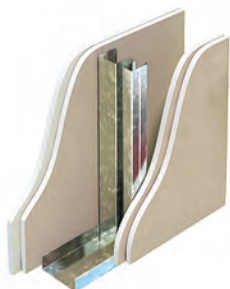
Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

SQ90.2

FIRE RESISTANCE LEVEL
NLB **-/90/90**
LB **30/30/30**
FROM BOTH SIDES

FRL Basis: FCO-2646



SYSTEM DESCRIPTION

Side 1: 1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd
Framing: Rondo QUIET STUD
Insulation: Refer to table
Side 2: 2x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ90.2A	1x13mm FIRESTOP + 1x13mm REGULAR	2x13mm FIRESTOP	90G11, 90P14	56	50
SQ90.2B	1x13mm WET AREA FIRESTOP + 1x13mm WET AREA	2x13mm WET AREA FIRESTOP	90G11, 90P14	56	50

* 90G11 - 90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 90P14 - 90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

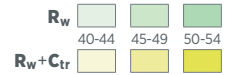
STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	
	4410	4130

Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

QUIET STUD



SQ90.3

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **60/60/60**
 FROM BOTH SIDES

FRL Basis: FCO-2646, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 1x16mm fire resistant pbd
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 1x16mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04 Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	124	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ90.3A	1x16mm FIRESTOP	1x16mm FIRESTOP	Nil	43	36
			TSB2	47	39
			50G11, 50P14	49	40
			75G11, 75P14	50	43
			90G11, 90P14	50	43
SQ90.3B	1x16mm MULTISTOP	1x16mm MULTISTOP	Nil	43	37
			TSB2	48	40
			50G11, 50P14	50	42
			75G11, 75P14	51	43
			90G11, 90P14	51	43
SQ90.3C	1x16mm FIRESTOP	1x16mm MULTISTOP	Nil	43	37
			TSB2	48	40
			50G11, 50P14	49	42
			75G11, 75P14	50	43
			90G11, 90P14	50	43

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS* PRESSURE: 0.25 kPa

STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	0.55
	4580	4300

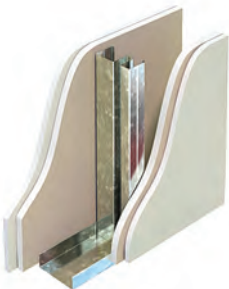
Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

SQ90.4

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **60/60/60**
 FROM BOTH SIDES

FRL Basis: FCO-2646



SYSTEM DESCRIPTION

- Side 1:** 1x16mm fire resistant pbd + 1x13mm non fire resistant pbd
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 1x16mm fire resistant + 1x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04 Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	150	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ90.4A	1x16mm FIRESTOP + 1x13mm REGULAR	1x16mm FIRESTOP + 1x13mm REGULAR	75G11, 75P14	55	50
SQ90.4B	1x16mm WET AREA FIRESTOP + 1x13mm WET AREA	1x16mm WET AREA FIRESTOP + 1x13mm WET AREA	75G11, 75P14	55	50

* 75G11 - 75mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 75P14 - 75mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS* PRESSURE: 0.25 kPa

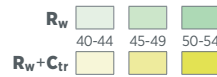
STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	0.55
	4580	4300

Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

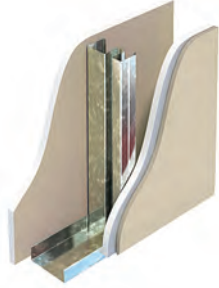
QUIET STUD



SQ90.5

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **60/60/60**
 FROM BOTH SIDES

FRL Basis: FCO-2646



SYSTEM DESCRIPTION

- Side 1:** 1x16mm Firestop pbd
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 1x16mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	ACOUSTIC RATINGS		
			NOM WALL WIDTH mm	134	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ90.5A	1x16mm FIRESTOP	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	TSB2	52	46
			50G11, 50P14	54	47

* 50G11 - 50mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50P14 - 50mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	
	4580	4300

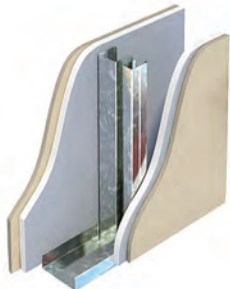
Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

SQ90.6

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **60/60/60**
 FROM BOTH SIDES

FRL Basis: FCO-2646



SYSTEM DESCRIPTION

- Side 1:** 1x16mm Wet Area Firestop pbd + 1x10mm Fiberock
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 1x16mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	ACOUSTIC RATINGS		
			NOM WALL WIDTH mm	144	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ90.6A	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	Nil	47	40
			TSB2	53	49
			50G11, 50P14	54	50
			75G11, 75P14	56	51
			90G11, 90P14	57	52

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS (SQ90.5 & SQ90.6)*

PRESSURE: 0.25 kPa

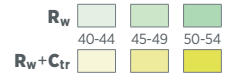
STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	
	4580	4300

Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector

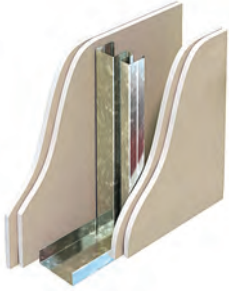
QUIET STUD



SQ120.1

FIRE RESISTANCE LEVEL
 NLB **-/120/120**
 LB **90/90/90**
 FROM BOTH SIDES

FRL Basis: FCO-2646, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 2x13mm fire resistant pbd
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 2x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04 Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ120.1A	2x13mm FIRESTOP	2x13mm FIRESTOP	Nil	47	40
			TSB2	53	48
			50G11, 50P14	54	49
			75G11, 75P14	55	50
			90G11, 90P14	57	52
SQ120.1B	2x13mm MULTISTOP	2x13mm MULTISTOP	Nil	49	41
			TSB2	54	50
			50G11, 50P14	55	51
			75G11, 75P14	56	52
			90G11, 90P14	57	53
SQ120.1C	2x13mm FIRESTOP	2x13mm MULTISTOP	Nil	48	41
			TSB2	54	49
			50G11, 50P14	55	50
			75G11, 75P14	56	51
			90G11, 90P14	57	52

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS* PRESSURE: 0.25 kPa

STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	0.55
	4410	4130

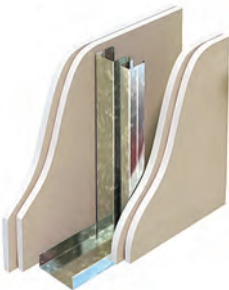
Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls

SQ180.1

FIRE RESISTANCE LEVEL
 NLB **-/180/180**
 LB **120/120/120**
 FROM BOTH SIDES

FRL Basis: FCO-2646, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 2x16mm fire resistant pbd
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 2x16mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04 Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	156	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQ180.1A	2x16mm FIRESTOP	2x16mm FIRESTOP	Nil	49	41
			TSB2	56	49
			50G11, 50P14	57	50
			75G11, 75P14	58	51
			90G11, 90P14	59	52
SQ180.1B	2x16mm MULTISTOP	2x16mm MULTISTOP	Nil	50	42
			TSB2	56	50
			50G11, 50P14	57	52
			75G11, 75P14	58	53
			90G11, 90P14	59	54
SQ180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	Nil	49	41
			TSB2	56	50
			50G11, 50P14	57	51
			75G11, 75P14	58	52
			90G11, 90P14	59	53

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS* PRESSURE: 0.25 kPa

STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	0.55
	4580	4300

Source: Rondo Building Systems

*Refer Rondo for maximum heights for load bearing walls.

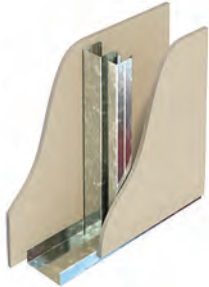
Check product availability when specifying Multistop and Impactstop linings.

FIBEROCK - QUIET STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SQF.1

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 1x10mm Fiberock
Framing: Rondo QUIET STUD
Insulation: Refer to table
Side 2: 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	112	
			STUD SIZE mm	92	
			INSULATION*	R_w	R_w+C_{tr}
SQF.1A	1x10mm FIBEROCK	1x10mm FIBEROCK	Nil	40	32
			TSB2	45	36
			50G11, 50P14	47	37
			75G11, 75P14	48	38
			90G11, 90P14	48	38

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

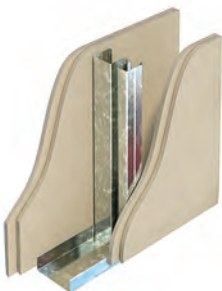
PRESSURE: 0.25 kPa

STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	
	4020	3700

Source: Rondo Building Systems

SQF.2

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 2x10mm Fiberock
Framing: Rondo QUIET STUD
Insulation: Refer to table
Side 2: 2x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	132	
			STUD SIZE mm	92	
			INSULATION*	R_w	R_w+C_{tr}
SQF.2A	2x10mm FIBEROCK	2x10mm FIBEROCK	Nil	48	40
			TSB2	53	45
			50G11, 50P14	54	46
			75G11, 75P14	55	47
			90G11, 90P14	56	48

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	
	4020	3700

Source: Rondo Building Systems

For the full range of USG Boral systems refer to usgboral.com/eselector

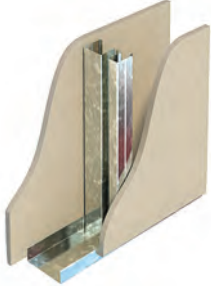
FIBEROCK – QUIET STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SQF30.1

FIRE RESISTANCE LEVEL
NLB **-/30/30**
FROM BOTH SIDES

FRL Basis: Contact USG Boral



SYSTEM DESCRIPTION

Side 1: 1x13mm Fiberock
Framing: Rondo QUIET STUD
Insulation: Refer to table
Side 2: 1x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	118	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQF30.1A	1x13mm FIBEROCK	1x13mm FIBEROCK	Nil	43	35
			TSB2	48	40
			50G11, 50P14	50	42
			75G11, 75P14	51	43
			90G11, 90P14	51	43

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

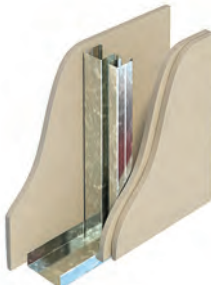
STUD SPACING mm		450	600
STUD SIZE mm		92	
BASE METAL THICKNESS mm	0.55	4410	4130

Source: Rondo Building Systems

SQF30.2

FIRE RESISTANCE LEVEL
NLB **-/30/30**
FROM BOTH SIDES

FRL Basis: Contact USG Boral



SYSTEM DESCRIPTION

Side 1: 1x13mm Fiberock
Framing: Rondo QUIET STUD
Insulation: Refer to table
Side 2: 2x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	131	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQF30.2A	1x13mm FIBEROCK	2x13mm FIBEROCK	Nil	48	40
			TSB2	52	46
			50G11, 50P14	54	47
			75G11, 75P14	55	48
			90G11, 90P14	56	49

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		450	600
STUD SIZE mm		92	
BASE METAL THICKNESS mm	0.55	4410	4130

Source: Rondo Building Systems

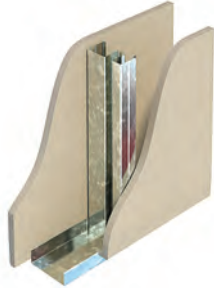
FIBEROCK - QUIET STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SQF60.1

FIRE RESISTANCE LEVEL
NLB -/60/60
 FROM BOTH SIDES

FRL Basis: Contact USG Boral



SYSTEM DESCRIPTION

- Side 1:** 1x16mm Fiberock
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 1x16mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	124	
			STUD SIZE mm	92	
			INSULATION*	R_w	R_w+C_{tr}
SQF60.1A	1x16mm FIBEROCK	1x16mm FIBEROCK	Nil	43	38
			TSB2	48	41
			50G11, 50P14	50	42
			75G11, 75P14	51	43
			90G11, 90P14	51	43

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

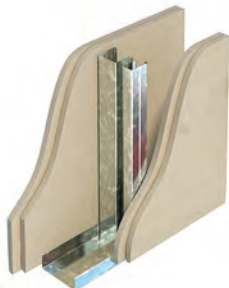
STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	0.55
	4580	4300

Source: Rondo Building Systems

SQF90.1

FIRE RESISTANCE LEVEL
NLB -/90/90
 FROM BOTH SIDES

FRL Basis: Contact USG Boral



SYSTEM DESCRIPTION

- Side 1:** 2x13mm Fiberock
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 2x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F04

Based on studs @ 600mm ctrs and thinnest available stud gauge

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	
			STUD SIZE mm	92	
			INSULATION*	R_w	R_w+C_{tr}
SQF90.1A	2x13mm FIBEROCK	2x13mm FIBEROCK	Nil	49	41
			TSB2	54	50
			50G11, 50P14	55	51
			75G11, 75P14	56	52
			90G11, 90P14	57	53

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

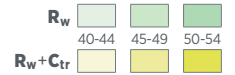
PRESSURE: 0.25 kPa

STUD SPACING mm	450	600
STUD SIZE mm	92	
BASE METAL THICKNESS mm	0.55	0.55
	4410	4130

Source: Rondo Building Systems

For the full range of USG Boral systems refer to usgboral.com/eselector

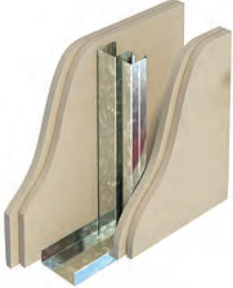
FIBEROCK – QUIET STUD



SQF120.1

FIRE RESISTANCE LEVEL
NLB -/120/120
 FROM BOTH SIDES

FRL Basis: Contact USG Boral



SYSTEM DESCRIPTION

- Side 1:** 2x16mm Fiberock
- Framing:** Rondo QUIET STUD
- Insulation:** Refer to table
- Side 2:** 2x16mm Fiberock

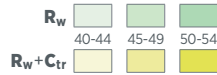
ACOUSTIC RATINGS		BASIS: RT&A TE405-05F04		Based on studs @ 600mm ctrs and thinnest available stud gauge	
SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	156	
			STUD SIZE mm	92	
			INSULATION*	R _w	R _w +C _{tr}
SQF120.1A	2x16mm FIBEROCK	2x16mm FIBEROCK	Nil	50	42
			TSB2	56	51
			50G11, 50P14	58	52
			75G11, 75P14	59	53
			90G11, 90P14	60	54

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS		NON-LOAD BEARING WALLS		PRESSURE: 0.25 kPa	
STUD SPACING mm		450	600		
STUD SIZE mm		92			
BASE METAL THICKNESS mm	0.55	4580	4300		

Source: Rondo Building Systems

STAGGERED STUD



SS.1

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x10mm non-fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 1x10mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	112	170	112	170
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R _w		R _w +C _{tr}	
SS.1A	1x10mm REGULAR	1x10mm REGULAR	Nil	36	38	30	32
			TSB2	41	44	32	35
			50G11, 50P14	42	46	33	36
			75G11, 75P14	44	47	34	37
			90G11, 90P14	44	47	34	38
SS.1B	1x10mm WET AREA	1x10mm WET AREA	Nil	37	39	31	33
			TSB2	43	46	34	37
			50G11, 50P14	44	47	35	38
			75G11, 75P14	45	48	36	39
			90G11, 90P14	45	49	36	39
SS.1C	1x10mm SOUNDSTOP	1x10mm SOUNDSTOP	Nil	39	41	33	34
			TSB2	46	48	35	40
			50G11, 50P14	47	50	36	41
			75G11, 75P14	48	51	38	42
			90G11, 90P14	48	51	38	43
SS.1D	1x10mm IMPACTSTOP	1x10mm IMPACTSTOP	Nil	39	41	33	34
			TSB2	46	48	35	40
			50G11, 50P14	47	50	36	41
			75G11, 75P14	48	51	38	42
			90G11, 90P14	48	51	38	43
SS.1E	1x10mm REGULAR	1x10mm WET AREA	Nil	37	39	31	32
			TSB2	42	45	33	36
			50G11, 50P14	43	47	34	37
			75G11, 75P14	44	48	35	38
			90G11, 90P14	44	48	35	38
SS.1F	1x10mm REGULAR	1x10mm SOUNDSTOP	Nil	38	40	32	32
			TSB2	44	47	35	38
			50G11, 50P14	45	48	36	39
			75G11, 75P14	46	49	38	39
			90G11, 90P14	47	49	38	40
SS.1G	1x10mm SOUNDSTOP	1x10mm WET AREA	Nil	38	40	32	33
			TSB2	45	47	36	39
			50G11, 50P14	46	49	37	40
			75G11, 75P14	47	50	38	41
			90G11, 90P14	47	50	39	41
SS.1H	1x10mm REGULAR	1x10mm IMPACTSTOP	Nil	38	40	32	32
			TSB2	44	47	35	38
			50G11, 50P14	45	48	36	39
			75G11, 75P14	46	49	38	39
			90G11, 90P14	47	49	38	40

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS			PRESSURE: 0.25 kPa		
STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

STAGGERED STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SS.2

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 2x10mm non-fire resistant pbd
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 2x10mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	132	190	132	190
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SS.2A	2x10mm REGULAR	2x10mm REGULAR	Nil	42	44	35	37
			TSB2	51	54	42	45
			50G11, 50P14	52	55	43	46
			75G11, 75P14	53	56	44	47
			90G11, 90P14	54	57	45	48
SS.2B	2x10mm WET AREA	2x10mm WET AREA	Nil	43	46	36	38
			TSB2	52	55	42	46
			50G11, 50P14	53	56	44	47
			75G11, 75P14	54	57	45	48
			90G11, 90P14	56	59	46	50
SS.2C	2x10mm SOUNDSTOP	2x10mm SOUNDSTOP	Nil	46	48	39	40
			TSB2	55	57	46	50
			50G11, 50P14	56	58	47	51
			75G11, 75P14	57	59	48	52
			90G11, 90P14	58	61	49	53
SS.2D	2x10mm IMPACTSTOP	2x10mm IMPACTSTOP	Nil	46	48	39	40
			TSB2	55	57	46	50
			50G11, 50P14	56	58	47	51
			75G11, 75P14	57	59	48	52
			90G11, 90P14	58	61	49	53
SS.2E	2x10mm REGULAR	2x10mm WET AREA	Nil	43	45	36	37
			TSB2	51	54	42	45
			50G11, 50P14	53	56	43	47
			75G11, 75P14	54	57	44	48
			90G11, 90P14	55	58	45	49
SS.2F	2x10mm REGULAR	2x10mm SOUNDSTOP	Nil	44	46	37	38
			TSB2	53	56	43	47
			50G11, 50P14	54	57	45	48
			75G11, 75P14	56	58	46	50
			90G11, 90P14	57	59	47	51
SS.2G	2x10mm SOUNDSTOP	2x10mm WET AREA	Nil	45	47	37	39
			TSB2	54	56	44	48
			50G11, 50P14	55	58	45	49
			75G11, 75P14	56	59	46	50
			90G11, 90P14	57	60	48	51
SS.2H	2x10mm REGULAR	2x10mm IMPACTSTOP	Nil	44	46	37	38
			TSB2	53	56	43	47
			50G11, 50P14	54	57	45	48
			75G11, 75P14	56	58	46	50
			90G11, 90P14	57	59	47	51

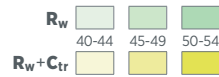
* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS					PRESSURE: 0.25 kPa
STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

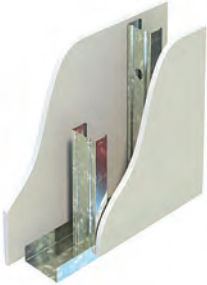
For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

STAGGERED STUD



SS.3

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x13mm non-fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 1x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	118	176	118	176
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R _w		R _w +C _{tr}	
SS.3A	1x13mm REGULAR	1x13mm REGULAR	Nil	38	40	32	33
			TSB2	44	47	33	36
			50G11, 50P14	46	48	34	37
			75G11, 75P14	47	49	35	38
			90G11, 90P14	47	50	35	38
SS.3B	1x13mm WET AREA	1x13mm WET AREA	Nil	39	41	33	34
			TSB2	45	48	32	36
			50G11, 50P14	47	49	33	38
			75G11, 75P14	48	50	34	39
			90G11, 90P14	48	51	34	39
SS.3C	1x13mm SOUNDSTOP	1x13mm SOUNDSTOP	Nil	42	44	36	37
			TSB2	48	50	37	40
			50G11, 50P14	49	52	38	41
			75G11, 75P14	50	53	39	42
			90G11, 90P14	51	53	39	43
SS.3D	1x13mm IMPACTSTOP	1x13mm IMPACTSTOP	Nil	42	44	36	37
			TSB2	48	50	37	40
			50G11, 50P14	49	52	38	41
			75G11, 75P14	50	53	39	42
			90G11, 90P14	51	53	39	43
SS.3E	1x13mm REGULAR	1x13mm WET AREA	Nil	39	41	33	34
			TSB2	44	47	31	36
			50G11, 50P14	46	49	32	37
			75G11, 75P14	47	50	33	38
			90G11, 90P14	47	50	33	38
SS.3F	1x13mm REGULAR	1x13mm SOUNDSTOP	Nil	40	42	34	35
			TSB2	46	49	33	38
			50G11, 50P14	48	50	34	39
			75G11, 75P14	49	51	35	40
			90G11, 90P14	49	52	36	40
SS.3G	1x13mm SOUNDSTOP	1x13mm WET AREA	Nil	41	43	35	37
			TSB2	47	49	34	38
			50G11, 50P14	48	51	35	40
			75G11, 75P14	49	52	36	41
			90G11, 90P14	49	52	37	41
SS.3H	1x13mm REGULAR	1x13mm IMPACTSTOP	Nil	40	42	34	35
			TSB2	46	49	33	38
			50G11, 50P14	48	50	34	39
			75G11, 75P14	49	51	35	40
			90G11, 90P14	49	52	36	40

* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS			PRESSURE: 0.25 kPa		
STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

STAGGERED STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SS.4

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x13mm non-fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	131	189	131	189
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SS.4A	1x13mm REGULAR	2x13mm REGULAR	Nil	42	44	35	36
			TSB2	48	51	39	43
			50G11, 50P14	50	53	40	44
			75G11, 75P14	51	54	41	45
			90G11, 90P14	52	55	42	46
SS.4B	1x13mm WET AREA	2x13mm WET AREA	Nil	43	45	35	37
			TSB2	50	52	41	44
			50G11, 50P14	51	54	42	46
			75G11, 75P14	52	55	43	47
			90G11, 90P14	54	56	44	48
SS.4C	1x13mm SOUNDSTOP	2x13mm SOUNDSTOP	Nil	45	48	38	39
			TSB2	52	54	44	48
			50G11, 50P14	54	56	45	49
			75G11, 75P14	55	57	47	50
			90G11, 90P14	56	58	48	51
SS.4D	1x13mm IMPACTSTOP	2x13mm IMPACTSTOP	Nil	45	48	38	39
			TSB2	52	54	44	48
			50G11, 50P14	54	56	45	49
			75G11, 75P14	55	57	47	50
			90G11, 90P14	56	58	48	51
SS.4E	1x13mm REGULAR	2x13mm WET AREA	Nil	43	45	36	36
			TSB2	49	52	40	44
			50G11, 50P14	51	53	41	45
			75G11, 75P14	52	54	42	46
			90G11, 90P14	53	56	43	47
SS.4F	1x13mm REGULAR	2x13mm SOUNDSTOP	Nil	44	46	36	38
			TSB2	51	53	42	45
			50G11, 50P14	52	55	43	47
			75G11, 75P14	54	56	44	48
			90G11, 90P14	55	57	46	49
SS.4G	1x13mm SOUNDSTOP	2x13mm WET AREA	Nil	44	47	37	38
			TSB2	52	53	43	45
			50G11, 50P14	53	55	44	47
			75G11, 75P14	54	56	45	48
			90G11, 90P14	55	57	46	50
SS.4H	1x13mm REGULAR	2x13mm IMPACTSTOP	Nil	44	46	36	38
			TSB2	51	53	42	45
			50G11, 50P14	52	55	43	47
			75G11, 75P14	54	56	44	48
			90G11, 90P14	55	57	46	49

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

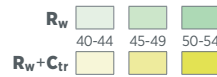
PRESSURE: 0.25 kPa

STUD SPACING mm	600			
	51	64	76	92
BASE METAL THICKNESS mm	0.50	0.55	0.75	1.15
	2320 d	2375 s	NA	NA
	NA	NA	2610 s	2740 s
	NA	2830 s	3000 s	3190 s
	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

STAGGERED STUD



SS.5

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 2x13mm non-fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	202	144	202
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R _w		R _w +C _{tr}	
SS.5A	2x13mm REGULAR	2x13mm REGULAR	Nil	45	47	39	40
			TSB2	53	55	45	48
			50G11, 50P14	54	57	46	50
			75G11, 75P14	55	58	47	51
			90G11, 90P14	56	59	48	52
SS.5B	2x13mm WET AREA	2x13mm WET AREA	Nil	46	49	40	41
			TSB2	54	56	46	50
			50G11, 50P14	55	58	47	51
			75G11, 75P14	57	59	49	52
			90G11, 90P14	58	60	50	53
SS.5C	2x13mm SOUNDSTOP	2x13mm SOUNDSTOP	Nil	49	51	42	44
			TSB2	56	58	50	53
			50G11, 50P14	58	59	51	55
			75G11, 75P14	59	60	52	56
			90G11, 90P14	60	61	53	57
SS.5D	2x13mm IMPACTSTOP	2x13mm IMPACTSTOP	Nil	49	51	42	44
			TSB2	56	58	50	53
			50G11, 50P14	58	59	51	55
			75G11, 75P14	59	60	52	56
			90G11, 90P14	60	61	53	57
SS.5E	2x13mm REGULAR	2x13mm WET AREA	Nil	46	48	39	41
			TSB2	54	56	45	49
			50G11, 50P14	55	57	47	50
			75G11, 75P14	56	58	48	52
			90G11, 90P14	57	59	49	53
SS.5F	2x13mm REGULAR	2x13mm SOUNDSTOP	Nil	47	50	41	42
			TSB2	55	57	47	51
			50G11, 50P14	56	58	49	52
			75G11, 75P14	57	59	50	53
			90G11, 90P14	58	60	51	54
SS.5G	2x13mm SOUNDSTOP	2x13mm WET AREA	Nil	48	50	41	43
			TSB2	55	57	48	52
			50G11, 50P14	57	58	49	53
			75G11, 75P14	58	60	50	54
			90G11, 90P14	59	61	52	55
SS.5H	2x13mm REGULAR	2x13mm IMPACTSTOP	Nil	47	50	41	42
			TSB2	55	57	47	51
			50G11, 50P14	56	58	49	52
			75G11, 75P14	57	59	50	53
			90G11, 90P14	58	60	51	54

* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

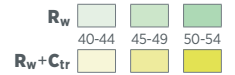
PRESSURE: 0.25 kPa

STUD SPACING mm	600				
	51	64	76	92	
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

STAGGERED STUD



SS60.1

FIRE RESISTANCE LEVEL
NLB **-/60/60**
FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 1x13mm fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 1x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	118	176	118	176
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R _w		R _w +C _{tr}	
SS60.1A	1x13mm FIRESTOP	1x13mm FIRESTOP	Nil	40	42	35	35
			TSB2	46	49	34	38
			50G11, 50P14	48	50	35	39
			75G11, 75P14	49	51	36	41
			90G11, 90P14	49	52	36	41
SS60.1B	1x13mm MULTISTOP	1x13mm MULTISTOP	Nil	42	44	36	37
			TSB2	48	50	37	40
			50G11, 50P14	49	52	38	41
			75G11, 75P14	50	53	39	42
			90G11, 90P14	51	53	39	43
SS60.1C	1x13mm FIRESTOP	1x13mm MULTISTOP	Nil	41	43	36	36
			TSB2	47	49	35	39
			50G11, 50P14	49	51	37	40
			75G11, 75P14	50	52	38	42
			90G11, 90P14	50	52	38	42

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

SS60.2

FIRE RESISTANCE LEVEL
NLB **-/60/60**
FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370



SYSTEM DESCRIPTION

- Side 1:** 1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	202	144	202
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R _w		R _w +C _{tr}	
SS60.2A	1x13mm FIRESTOP + 1x13mm REGULAR	1x13mm FIRESTOP + 1x13mm REGULAR	50G11, 50P14	-	57	-	51
			90G11, 90P14	57	-	50	-
SS60.2B	1x13mm WET AREA FIRESTOP + 1x13mm WET AREA	1x13mm WET AREA FIRESTOP + 1x13mm WET AREA	50G11, 50P14	-	57	-	51
			90G11, 90P14	58	-	51	-

* 50/90G11 - 50/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 50/90P14 - 50/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

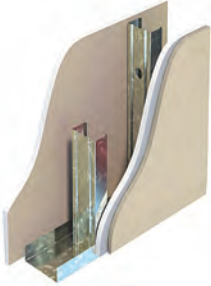
STAGGERED STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SS60.3

FIRE RESISTANCE LEVEL
NLB **-/60/60**
FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370



SYSTEM DESCRIPTION

- Side 1:** 1x13mm Firestop pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 1x13mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	128	186	128	186
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SS60.3A	1x13mm FIRESTOP	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	50G11, 50P14	52	-	44	-

* 50G11 - 50mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 50P14 - 50mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

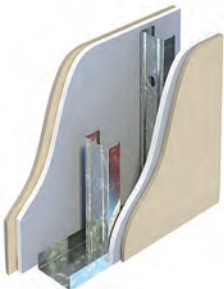
STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

SS60.4

FIRE RESISTANCE LEVEL
NLB **-/60/60**
FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370



SYSTEM DESCRIPTION

- Side 1:** 1x13mm Wet Area Firestop pbd + 1x10mm Fiberock
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 1x13mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	138	196	138	196
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SS60.4A	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	Nil	47	49	40	42
			TSB2	54	56	47	51
			50G11, 50P14	56	58	48	52
			75G11, 75P14	57	59	49	53
			90G11, 90P14	58	60	50	54

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

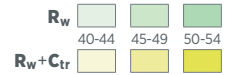
PRESSURE: 0.25 kPa

STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

For the full range of USG Boral systems refer to usgboral.com/eselector

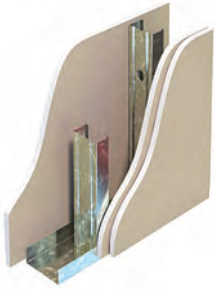
STAGGERED STUD



SS90.1

FIRE RESISTANCE LEVEL
NLB **-/90/90**
FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 1x13mm fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	131	189	131	189
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R _w		R _w +C _{tr}	
SS90.1A	1x13mm FIRESTOP	2x13mm FIRESTOP	Nil	43	46	36	38
			TSB2	51	53	43	46
			50G11, 50P14	53	55	44	47
			75G11, 75P14	54	56	45	48
			90G11, 90P14	55	57	46	49
SS90.1B	1x13mm MULTISTOP	2x13mm MULTISTOP	Nil	45	48	38	39
			TSB2	52	54	44	48
			50G11, 50P14	54	56	45	49
			75G11, 75P14	55	57	47	50
			90G11, 90P14	56	58	48	51
SS90.1C	1x13mm FIRESTOP	2x13mm MULTISTOP	Nil	44	47	37	39
			TSB2	52	54	43	47
			50G11, 50P14	53	55	45	48
			75G11, 75P14	54	56	46	49
			90G11, 90P14	55	58	47	50

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

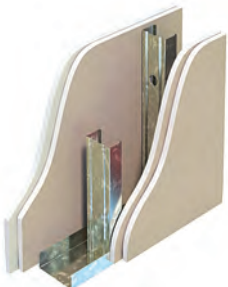
STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

SS90.2

FIRE RESISTANCE LEVEL
NLB **-/90/90**
FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370



SYSTEM DESCRIPTION

- Side 1:** 1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	202	144	202
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R _w		R _w +C _{tr}	
SS90.2A	1x13mm FIRESTOP + 1x13mm REGULAR	2x13mm FIRESTOP	50G11, 50P14	-	58	-	52
			75G11, 75P14	57	-	50	-
SS90.2B	1x13mm WET AREA FIRESTOP + 1x13mm WET AREA	2x13mm WET AREA FIRESTOP	50G11, 50P14	-	59	-	53
			75G11, 75P14	58	-	50	-

* 50/75G11 - 50/75mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 50/75P14 - 50/75mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

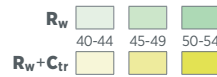
PRESSURE: 0.25 kPa

STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

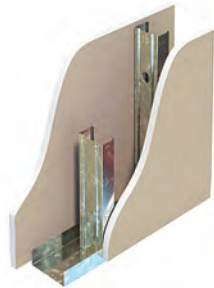
STAGGERED STUD



SS90.3

FIRE RESISTANCE LEVEL
NLB **-/90/90**
FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 1x16mm fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 1x16mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	124	182	124	182
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R _w		R _w +C _{tr}	
SS90.3A	1x16mm FIRESTOP	1x16mm FIRESTOP	Nil	43	46	36	39
			TSB2	50	52	41	44
			50G11, 50P14	51	53	43	46
			75G11, 75P14	52	55	44	47
			90G11, 90P14	53	55	44	47
SS90.3B	1x16mm MULTISTOP	1x16mm MULTISTOP	Nil	44	46	38	40
			TSB2	51	53	43	46
			50G11, 50P14	52	54	44	47
			75G11, 75P14	53	55	45	49
			90G11, 90P14	54	56	45	49
SS90.3C	1x16mm FIRESTOP	1x16mm MULTISTOP	Nil	44	47	38	40
			TSB2	51	52	44	45
			50G11, 50P14	52	54	44	47
			75G11, 75P14	53	55	45	48
			90G11, 90P14	53	55	45	48

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm	600				
	51	64	76	92	
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

SS90.4

FIRE RESISTANCE LEVEL
NLB **-/90/90**
FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370



SYSTEM DESCRIPTION

- Side 1:** 1x16mm fire resistant pbd + 1x13mm non-fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 1x16mm fire resistant pbd + 1x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	150	208	150	208
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R _w		R _w +C _{tr}	
SS90.4A	1x16mm FIRESTOP + 1x13mm REGULAR	1x16mm FIRESTOP + 1x13mm REGULAR	50G11, 50P14	-	58	-	52
			75G11, 75P14	57	-	50	-
SS90.4B	1x16mm WET AREA FIRESTOP + 1x13mm WET AREA	1x16mm WET AREA FIRESTOP + 1x13mm WET AREA	50G11, 50P14	-	58	-	53
			75G11, 75P14	57	-	50	-

* 50/75G11 - 50/75mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 50/75P14 - 50/75mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm	600				
	51	64	76	92	
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

For the full range of USG Boral systems refer to usgboral.com/eselector
Check product availability when specifying Multistop and Impactstop linings.

STAGGERED STUD

R_w	40-44	45-49	50-54
$R_w + C_{tr}$			

SS90.5

FIRE RESISTANCE LEVEL
NLB **-/90/90**
FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370



SYSTEM DESCRIPTION

Side 1: 1x16mm Firestop pbd
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 1x16mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	134	192	134	192
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		$R_w + C_{tr}$	
SS90.5A	1x16mm FIRESTOP	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	50G11, 50P14	58	-	51	-

* 50G11 - 50mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. 50P14 - 50mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

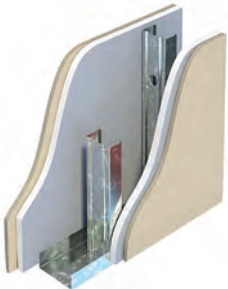
STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

SS90.6

FIRE RESISTANCE LEVEL
NLB **-/90/90**
FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370



SYSTEM DESCRIPTION

Side 1: 1x16mm Wet Area Firestop pbd + 1x10mm Fiberock
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 1x16mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	202	144	202
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		$R_w + C_{tr}$	
SS90.6A	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	Nil	48	50	42	43
			TSB2	55	57	49	52
			50G11, 50P14	57	58	50	54
			75G11, 75P14	58	60	51	55
			90G11, 90P14	59	61	52	56

* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

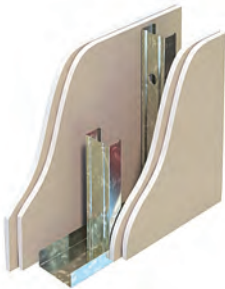
STAGGERED STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SS120.1

FIRE RESISTANCE LEVEL
NLB -/120/120
 FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 2x13mm fire resistant pbd
- Framing:** Staggered steel studs
- Insulation:** Refer to table
- Side 2:** 2x13mm fire resistant pbd

ACOUSTIC RATINGS

BASIS: RT&A TE405-05F03

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	202	144	202
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SS120.1A	2x13mm FIRESTOP	2x13mm FIRESTOP	Nil	47	50	41	43
			TSB2	55	57	45	52
			50G11, 50P14	56	58	49	53
			75G11, 75P14	57	59	50	54
			90G11, 90P14	58	60	51	55
SS120.1B	2x13mm MULTISTOP	2x13mm MULTISTOP	Nil	49	51	42	44
			TSB2	56	58	50	53
			50G11, 50P14	58	59	51	55
			75G11, 75P14	59	60	52	56
			90G11, 90P14	60	61	53	57
SS120.1C	2x13mm FIRESTOP	2x13mm MULTISTOP	Nil	48	51	42	44
			TSB2	56	57	49	52
			50G11, 50P14	57	58	50	53
			75G11, 75P14	58	60	51	55
			90G11, 90P14	59	61	52	56

* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d - deflection, s - permissible strength

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

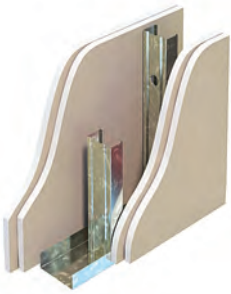
STAGGERED STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SS180.1

FIRE RESISTANCE LEVEL
NLB -/180/180
 FROM BOTH SIDES

FRL Basis: FR2539, FCO-0512, 99/1370, EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 2x16mm fire resistant pbd
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 2x16mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	156	214	156	214
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R _w		R _w +C _{tr}	
SS180.1A	2x16mm FIRESTOP	2x16mm FIRESTOP	Nil	48	51	41	42
			TSB2	56	57	50	53
			50G11, 50P14	57	59	52	55
			75G11, 75P14	58	60	53	56
			90G11, 90P14	59	61	54	57
SS180.1B	2x16mm MULTISTOP	2x16mm MULTISTOP	Nil	49	52	42	44
			TSB2	57	58	52	55
			50G11, 50P14	58	59	53	56
			75G11, 75P14	59	60	54	57
			90G11, 90P14	60	61	55	58
SS180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP	Nil	49	52	41	43
			TSB2	56	58	51	54
			50G11, 50P14	58	59	52	55
			75G11, 75P14	59	60	53	56
			90G11, 90P14	60	61	55	58

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	1900 f	2300 f	NA	NA
	0.55	NA	NA	2610 f	2740 s
	0.75	NA	2700 f	3000 f	3190 s
	1.15	NA	3000 f	3500 f	3750 s

Height Limiting Factor: f - fire height, s - permissible strength

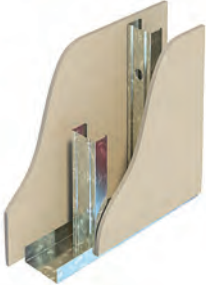
For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

R_w	40-44	45-49	50-54
R_w+C_{tr}			

FIBEROCK – STAGGERED STUD

SSF.1

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 1x10mm Fiberock
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	112	170	112	170
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SSF.1A	1x10mm FIBEROCK	1x10mm FIBEROCK	Nil	39	41	33	34
			TSB2	46	48	35	40
			50G11, 50P14	47	50	36	41
			75G11, 75P14	48	51	38	42
			90G11, 90P14	48	51	38	43

* 50/75/90G11 – 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

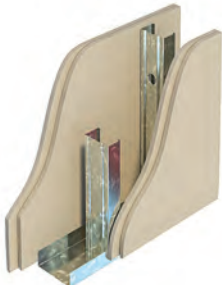
PRESSURE: 0.25 kPa

BASE METAL THICKNESS mm	STUD SPACING mm	600			
	STUD SIZE mm	51	64	76	92
0.50	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d – deflection, s – permissible strength

SSF.2

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 2x10mm Fiberock
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 2x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	132	190	132	190
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SSF.2A	2x10mm FIBEROCK	2x10mm FIBEROCK	Nil	46	48	39	40
			TSB2	55	57	46	50
			50G11, 50P14	56	58	47	51
			75G11, 75P14	57	59	48	52
			90G11, 90P14	58	60	49	53

* 50/75/90G11 – 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

BASE METAL THICKNESS mm	STUD SPACING mm	600			
	STUD SIZE mm	51	64	76	92
0.50	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d – deflection, s – permissible strength

For the full range of USG Boral systems refer to usgboral.com/eselector

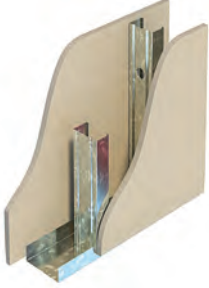
FIBEROCK – STAGGERED STUD

R_w
 40-44 45-49 50-54
 $R_w + C_{tr}$

SSF30.1

FIRE RESISTANCE LEVEL
 NLB **-/30/30**
 FROM BOTH SIDES

FRL Basis: FAR2396



SYSTEM DESCRIPTION

Side 1: 1x13mm Fiberock
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 1x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	118	176	118	176
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		$R_w + C_{tr}$	
SSF30.1A	1x13mm FIBEROCK	1x13mm FIBEROCK	Nil	42	44	36	37
			TSB2	48	50	37	40
			50G11, 50P14	49	52	38	41
			75G11, 75P14	50	53	39	42
			90G11, 90P14	51	53	39	43

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d – deflection, s – permissible strength

SSF30.2

FIRE RESISTANCE LEVEL
 NLB **-/30/30**
 FROM BOTH SIDES

FRL Basis: FAR2396



SYSTEM DESCRIPTION

Side 1: 1x13mm Fiberock
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 2x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	131	189	131	189
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		$R_w + C_{tr}$	
SSF30.2A	1x13mm FIBEROCK	2x13mm FIBEROCK	Nil	45	48	38	39
			TSB2	52	54	44	48
			50G11, 50P14	54	56	45	49
			75G11, 75P14	55	57	47	50
			90G11, 90P14	56	58	48	51

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d – deflection, s – permissible strength

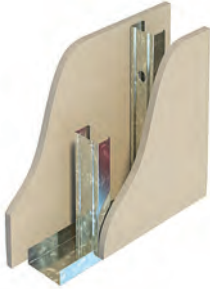
R_w	40-44	45-49	50-54
R_w+C_{tr}			

FIBEROCK – STAGGERED STUD

SSF60.1

FIRE RESISTANCE LEVEL
NLB **-/60/60**
FROM BOTH SIDES

FRL Basis: FAR2396



SYSTEM DESCRIPTION

Side 1: 1x16mm Fiberock
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 1x16mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	124	182	124	182
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SSF60.1A	1x16mm FIBEROCK	1x16mm FIBEROCK	Nil	44	47	39	40
			TSB2	51	53	43	47
			50G11, 50P14	53	55	44	48
			75G11, 75P14	54	56	46	49
			90G11, 90P14	54	56	46	49

* 50/75/90G11 – 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

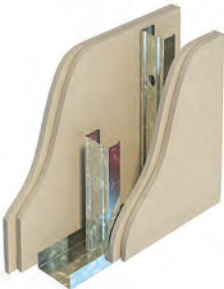
BASE METAL THICKNESS mm	STUD SPACING mm				
	600				
	STUD SIZE mm	51	64	76	92
0.50	2320 d	2375 s	NA	NA	
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000 s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d – deflection, s – permissible strength

SSF90.1[^]

FIRE RESISTANCE LEVEL
NLB **-/90/90**
FROM BOTH SIDES

FRL Basis: FAR4405



SYSTEM DESCRIPTION

Side 1: 2x13mm Fiberock
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 2x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	202	144	202
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SSF90.1A	2x13mm FIBEROCK	2x13mm FIBEROCK	Nil	49	51	42	44
			TSB2	56	58	50	53
			50G11, 50P14	58	59	51	55
			75G11, 75P14	59	60	52	56
			90G11, 90P14	60	61	53	57

* 50/75/90G11 – 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

BASE METAL THICKNESS mm	STUD SPACING mm				
	600				
	STUD SIZE mm	51	64	76	92
0.50	2320 d	2375 s	NA	NA	
	0.55	NA	NA	2610 s	NA
	0.75	NA	2830 s	3000 s	NA
	1.15	NA	3510 s	3600 s	NA

Height Limiting Factor: d – deflection, s – permissible strength

[^]System SSF90.1 must utilise 51mm, 64mm or 76mm studs only.

For the full range of USG Boral systems refer to usgboral.com/eselector

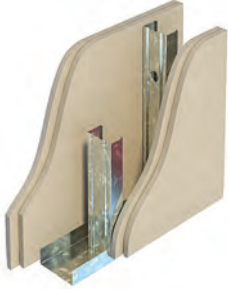
FIBEROCK – STAGGERED STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

SSF120.1[^]

FIRE RESISTANCE LEVEL
NLB **-/120/120**
FROM BOTH SIDES

FRL Basis: FAR4405



SYSTEM DESCRIPTION

Side 1: 2x13mm Fiberock
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 2x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	144	202	144	202
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SSF120.1A	2x13mm FIBEROCK	2x13mm FIBEROCK	Nil	NA	51	NA	44
			TSB2	NA	58	NA	53
			50G11, 50P14	NA	59	NA	55
			75G11, 75P14	NA	60	NA	56
			90G11, 90P14	NA	61	NA	57

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	NA	NA	NA	NA
	0.55	NA	NA	NA	2740 s
	0.75	NA	NA	NA	3190 s
	1.15	NA	NA	NA	3750 s

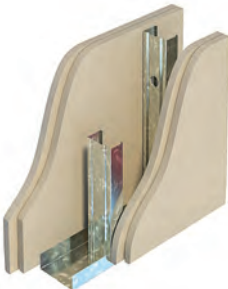
Height Limiting Factor: s – permissible strength

[^]System SSF120.1 must utilise 92mm studs only.

SSF120.2

FIRE RESISTANCE LEVEL
NLB **-/120/120**
FROM BOTH SIDES

FRL Basis: FAR2396



SYSTEM DESCRIPTION

Side 1: 2x16mm Fiberock
Framing: Staggered steel studs
Insulation: Refer to table
Side 2: 2x16mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F03

Based on studs @ 600mm ctrs

SYSTEM	LINING SIDE 1	LINING SIDE 2	NOM WALL WIDTH mm	156	214	156	214
			TRACK SIZE mm	92	150	92	150
			INSULATION*	R_w		R_w+C_{tr}	
SSF120.2A	2x16mm FIBEROCK	2x16mm FIBEROCK	Nil	49	52	42	44
			TSB2	57	58	52	55
			50G11, 50P14	58	59	54	56
			75G11, 75P14	59	60	55	57
			90G11, 90P14	60	61	56	58

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

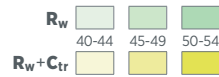
MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		51	64	76	92
BASE METAL THICKNESS mm	0.50	2320 d	2375 s	NA	NA
	0.55	NA	NA	2610 s	2740 s
	0.75	NA	2830 s	3000s	3190 s
	1.15	NA	3510 s	3600 s	3750 s

Height Limiting Factor: d – deflection, s – permissible strength

TWIN STUD



ST.1

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x10mm non-fire resistant pbd
- Framing:** Twin steel studs
- Gap:** 20mm
- Insulation:** Refer to table
- Side 2:** 1x10mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	168	192	224	340	168	192	224	340
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R _w				R _w +C _{tr}			
ST.1A	1x10mm REGULAR	1x10mm REGULAR	Nil	39	39	40	42	32	33	33	34
			TSB2	45	46	47	47	35	37	38	40
			50G11, 50P14	46	47	47	48	36	37	38	41
			75G11, 75P14	-	47	47	48	-	37	38	41
			90G11, 90P14	-	-	48	48	-	-	39	41
			TSB2	48	49	50	50	38	40	41	43
			50G11, 50P14	49	50	50	51	39	40	41	44
			75G11, 75P14	-	50	50	51	-	40	41	44
90G11, 90P14	-	-	51	51	-	-	42	44			
ST.1B	1x10mm WET AREA	1x10mm WET AREA	Nil	40	41	41	43	33	33	34	35
			TSB2	47	48	48	49	37	39	39	42
			50G11, 50P14	47	48	49	49	37	39	40	42
			75G11, 75P14	-	49	49	50	-	39	40	42
			90G11, 90P14	-	-	49	50	-	-	40	43
			TSB2	50	51	51	52	40	42	42	45
			50G11, 50P14	50	51	52	52	40	42	43	45
			75G11, 75P14	-	52	52	53	-	42	43	45
90G11, 90P14	-	-	52	53	-	-	43	46			
ST.1C	1x10mm SOUNDSTOP	1x10mm SOUNDSTOP	Nil	42	43	44	46	35	36	36	38
			TSB2	50	50	51	51	40	41	43	45
			50G11, 50P14	51	51	52	52	41	42	43	46
			75G11, 75P14	-	52	52	53	-	42	43	46
			90G11, 90P14	-	-	52	53	-	-	43	46
			TSB2	53	53	54	54	43	44	46	48
			50G11, 50P14	54	54	55	55	44	45	46	49
			75G11, 75P14	-	55	55	56	-	45	46	49
90G11, 90P14	-	-	55	56	-	-	46	49			
ST.1D	1x10mm IMPACTSTOP	1x10mm IMPACTSTOP	Nil	42	43	44	46	35	36	36	38
			TSB2	50	50	51	51	40	41	43	45
			50G11, 50P14	51	51	52	52	41	42	43	46
			75G11, 75P14	-	52	52	53	-	42	43	46
			90G11, 90P14	-	-	52	53	-	-	43	46
			TSB2	53	53	54	54	43	44	46	48
			50G11, 50P14	54	54	55	55	44	45	46	49
			75G11, 75P14	-	55	55	56	-	45	46	49
90G11, 90P14	-	-	55	56	-	-	46	49			

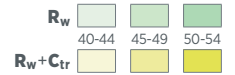
* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS				PRESSURE: 0.25 kPa			
STUD SPACING mm		600 (NOGGED)					
STUD SIZE mm		64	76	92	150		
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA		
	0.55	NA	3200 2d	3610 2s	NA		
	0.75	3130 d	3580 2d	4130 2d	5330 2h		
	1.15	3530 d	4050 2d	4690 2d	5330 2h		

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2h - head track capacity (2 rows of noggings), 2s - strength (2 rows of noggings)

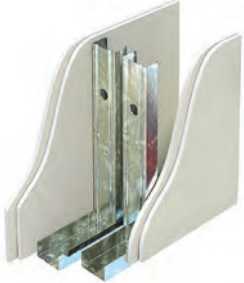
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 Check product availability when specifying Multistop and Impactstop linings.

TWIN STUD



ST.2

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 2x10mm non-fire resistant pbd
- Framing:** Twin steel studs
- Gap:** 20mm
- Insulation:** Refer to table
- Side 2:** 2x10mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	188	212	244	360	188	212	244	360	
			STUD SIZE mm	64	76	92	150	64	76	92	150	
			INSULATION*	R _w				R _w +C _{tr}				
ST.2A	2x10mm REGULAR	2x10mm REGULAR	Nil	46	47	48	51	39	39	40	42	
			One Side	TSB2	53	54	54	55	43	44	45	48
				50G11, 50P14	54	55	55	56	43	44	46	48
				75G11, 75P14	-	55	55	56	-	45	46	48
				90G11, 90P14	-	-	55	56	-	-	46	49
			Both Sides	TSB2	56	57	57	58	46	47	48	51
				50G11, 50P14	57	58	58	59	46	47	49	51
				75G11, 75P14	-	58	58	59	-	48	49	51
90G11, 90P14	-	-		58	59	-	-	49	52			
ST.2B	2x10mm WET AREA	2x10mm WET AREA	Nil	48	48	49	52	40	40	41	43	
			One Side	TSB2	54	55	56	56	44	45	47	49
				50G11, 50P14	55	56	56	57	45	46	47	50
				75G11, 75P14	-	56	57	57	-	46	47	50
				90G11, 90P14	-	-	57	58	-	-	47	50
			Both Sides	TSB2	57	58	59	59	47	48	50	52
				50G11, 50P14	58	59	59	60	48	49	50	53
				75G11, 75P14	-	59	60	60	-	49	50	53
90G11, 90P14	-	-		60	61	-	-	50	53			
ST.2C	2x10mm SOUNDSTOP	2x10mm SOUNDSTOP	Nil	50	51	52	55	42	43	44	46	
			One Side	TSB2	58	58	58	59	48	49	49	53
				50G11, 50P14	59	59	60	60	48	50	51	53
				75G11, 75P14	-	60	60	61	-	50	51	54
				90G11, 90P14	-	-	60	61	-	-	51	54
			Both Sides	TSB2	61	61	61	62	51	52	52	56
				50G11, 50P14	62	62	63	63	51	53	54	56
				75G11, 75P14	-	63	63	64	-	53	54	57
90G11, 90P14	-	-		63	64	-	-	54	57			
ST.2D	2x10mm IMPACTSTOP	2x10mm IMPACTSTOP	Nil	50	51	52	55	42	43	44	46	
			One Side	TSB2	58	58	58	59	48	49	49	53
				50G11, 50P14	59	59	60	60	48	50	51	53
				75G11, 75P14	-	60	60	61	-	50	51	54
				90G11, 90P14	-	-	60	61	-	-	51	54
			Both Sides	TSB2	61	61	61	62	51	52	52	56
				50G11, 50P14	62	62	63	63	51	53	54	56
				75G11, 75P14	-	63	63	64	-	53	54	57
90G11, 90P14	-	-		63	64	-	-	54	57			

* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

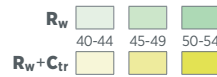
PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA
	0.55	NA	3200 2d	3610 2s	NA
	0.75	3130 d	3580 2d	4130 2d	5330 2h
	1.15	3530 d	4050 2d	4690 2d	5330 2h

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2h - head track capacity (2 rows of noggings), 2s - strength (2 rows of noggings)

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 Check product availability when specifying Multistop and Impactstop linings.

TWIN STUD



ST.3

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1:** 1x13mm non-fire resistant pbd
- Framing:** Twin steel studs
- Gap:** 20mm
- Insulation:** Refer to table
- Side 2:** 1x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	174	198	230	346	174	198	230	346
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R _w				R _w +C _{tr}			
ST.3A	1x13mm REGULAR	1x13mm REGULAR	Nil	41	42	43	45	35	35	35	37
			TSB2	50	50	51	51	40	40	42	44
			50G11, 50P14	51	51	52	52	40	41	42	44
			75G11, 75P14	-	51	52	53	-	41	42	45
			90G11, 90P14	-	-	52	53	-	-	42	45
			TSB2	53	53	54	54	43	43	45	47
			50G11, 50P14	54	54	55	55	43	44	45	47
			75G11, 75P14	-	54	55	56	-	44	45	48
90G11, 90P14	-	-	55	56	-	-	45	48			
ST.3B	1x13mm WET AREA	1x13mm WET AREA	Nil	42	43	44	46	36	36	36	38
			TSB2	51	52	52	53	41	42	43	45
			50G11, 50P14	52	53	53	54	41	42	43	46
			75G11, 75P14	-	53	53	54	-	42	44	46
			90G11, 90P14	-	-	53	54	-	-	44	46
			TSB2	54	55	55	56	44	45	46	48
			50G11, 50P14	55	56	56	57	44	45	46	49
			75G11, 75P14	-	56	56	57	-	45	47	49
90G11, 90P14	-	-	56	57	-	-	47	49			
ST.3C	1x13mm SOUNDSTOP	1x13mm SOUNDSTOP	Nil	45	45	46	49	38	38	39	41
			TSB2	54	55	55	55	44	45	47	49
			50G11, 50P14	55	55	56	56	45	46	47	49
			75G11, 75P14	-	56	56	56	-	46	47	49
			90G11, 90P14	-	-	56	56	-	-	47	49
			TSB2	57	58	58	58	47	48	50	52
			50G11, 50P14	58	58	59	59	48	49	50	52
			75G11, 75P14	-	59	59	59	-	49	50	52
90G11, 90P14	-	-	59	59	-	-	50	52			
ST.3D	1x13mm IMPACTSTOP	1x13mm IMPACTSTOP	Nil	45	45	46	49	38	38	39	41
			TSB2	54	55	55	55	44	45	47	49
			50G11, 50P14	55	55	56	56	45	46	47	49
			75G11, 75P14	-	56	56	56	-	46	47	49
			90G11, 90P14	-	-	56	56	-	-	47	49
			TSB2	57	58	58	58	47	48	50	52
			50G11, 50P14	58	58	59	59	48	49	50	52
			75G11, 75P14	-	59	59	59	-	49	50	52
90G11, 90P14	-	-	59	59	-	-	50	52			

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS					PRESSURE: 0.25 kPa				
STUD SPACING mm		600 (NOGGED)							
STUD SIZE mm		64	76	92	150				
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA				
	0.55	NA	3240 2d	3610 2s	NA				
	0.75	3250 d	3820 2d	4180 2d	5370 2s				
	1.15	3580 d	4050 2d	4690 2d	6810 3s				

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

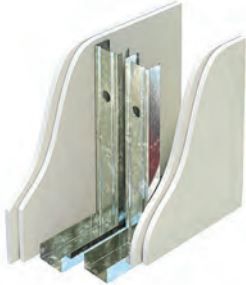
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Check product availability when specifying Multistop and Impactstop linings.

TWIN STUD

R_w
 40-44 45-49 50-54
R_w+C_{tr}

ST.4

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 2x13mm non-fire resistant pbd
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 2x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	200	224	256	372	200	224	256	372	
			STUD SIZE mm	64	76	92	150	64	76	92	150	
			INSULATION*	R _w				R _w +C _{tr}				
ST.4A	2x13mm REGULAR	2x13mm REGULAR	Nil	50	51	52	55	42	43	44	45	
			One Side	TSB2	56	57	57	57	46	48	48	51
				50G11, 50P14	57	58	58	58	47	49	49	52
				75G11, 75P14	-	59	59	59	-	50	50	53
				90G11, 90P14	-	-	60	60	-	-	51	54
			Both Sides	TSB2	59	60	60	60	49	51	51	54
				50G11, 50P14	60	61	61	61	50	52	52	55
				75G11, 75P14	-	62	62	62	-	53	53	56
				90G11, 90P14	-	-	63	63	-	-	54	57
ST.4B	2x13mm WET AREA	2x13mm WET AREA		Nil	52	53	54	57	44	44	45	47
			One Side	TSB2	57	58	58	57	47	48	50	50
				50G11, 50P14	58	59	59	58	48	49	51	51
				75G11, 75P14	-	60	60	59	-	50	52	52
				90G11, 90P14	-	-	61	60	-	-	53	53
			Both Sides	TSB2	60	61	61	60	50	51	53	53
				50G11, 50P14	61	62	62	61	51	52	54	54
				75G11, 75P14	-	63	63	62	-	53	55	55
				90G11, 90P14	-	-	64	63	-	-	56	56
ST.4C	2x13mm SOUNDSTOP	2x13mm SOUNDSTOP		Nil	55	56	57	60	46	47	48	50
			One Side	TSB2	60	61	61	62	51	52	53	56
				50G11, 50P14	61	62	62	63	52	53	54	57
				75G11, 75P14	-	63	63	64	-	54	55	58
				90G11, 90P14	-	-	64	65	-	-	56	59
			Both Sides	TSB2	63	64	64	65	54	55	56	59
				50G11, 50P14	64	65	65	66	55	56	57	60
				75G11, 75P14	-	66	66	67	-	57	58	61
				90G11, 90P14	-	-	67	68	-	-	59	62
ST.4D	2x13mm IMPACTSTOP	2x13mm IMPACTSTOP		Nil	55	56	57	60	46	47	48	50
			One Side	TSB2	60	61	61	62	51	52	53	56
				50G11, 50P14	61	62	62	63	52	53	54	57
				75G11, 75P14	-	63	63	64	-	54	55	58
				90G11, 90P14	-	-	64	65	-	-	56	59
			Both Sides	TSB2	63	64	64	65	54	55	56	59
				50G11, 50P14	64	65	65	66	55	56	57	60
				75G11, 75P14	-	66	66	67	-	57	58	61
				90G11, 90P14	-	-	67	68	-	-	59	62

* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS					PRESSURE: 0.25 kPa	
STUD SPACING mm		600 (NOGGED)				
STUD SIZE mm		64	76	92	150	
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA	
	0.55	NA	3240 2d	3610 2s	NA	
	0.75	3250 d	3820 2d	4180 2d	5370 2s	
	1.15	3580 d	4050 2d	4690 2d	6810 3s	

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

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TWIN STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

ST60.1

FIRE RESISTANCE LEVEL
NLB -/60/60
LB 30/30/30
 FROM BOTH SIDES

FRL Basis: FR 2539, 99/1370,
 EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 1x13mm fire resistant pbd
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 1x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	174	198	230	346	174	198	230	346
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R_w				R_w+C_{tr}			
ST60.1A	1x13mm FIRESTOP	1x13mm FIRESTOP	Nil	43	44	46	47	36	37	39	39
			TSB2	52	53	53	54	42	43	44	47
			50G11, 50P14	53	54	54	55	43	44	45	48
			75G11, 75P14	-	54	54	55	-	44	45	48
			90G11, 90P14	-	-	55	55	-	-	46	48
			TSB2	55	56	56	57	45	46	47	50
			50G11, 50P14	56	57	57	58	46	47	48	51
			75G11, 75P14	-	57	57	58	-	47	48	51
ST60.1B	1x13mm MULTISTOP	1x13mm MULTISTOP	Nil	45	45	46	49	38	38	39	41
			TSB2	54	55	55	55	44	45	47	49
			50G11, 50P14	55	55	56	56	45	46	47	49
			75G11, 75P14	-	56	56	56	-	46	47	49
			90G11, 90P14	-	-	56	56	-	-	47	49
			TSB2	57	58	58	58	47	48	50	52
			50G11, 50P14	58	58	59	59	48	49	50	52
			75G11, 75P14	-	59	59	59	-	49	50	52
ST60.1C	1x13mm FIRESTOP	1x13mm MULTISTOP	Nil	44	45	45	48	37	38	38	40
			TSB2	53	54	54	55	43	44	46	48
			50G11, 50P14	54	55	55	56	44	45	46	49
			75G11, 75P14	-	55	55	56	-	45	46	49
			90G11, 90P14	-	-	56	56	-	-	46	49
			TSB2	56	57	57	58	46	47	49	51
			50G11, 50P14	57	58	58	59	47	48	49	52
			75G11, 75P14	-	58	58	59	-	48	49	52

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

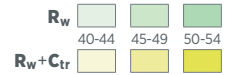
MAX WALL HEIGHTS NON-LOAD BEARING WALLS*					PRESSURE: 0.25 kPa
STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA
	0.55	NA	3240 2d	3610 2s	NA
	0.75	3250 d	3820 2d	4180 2d	5370 2s
	1.15	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

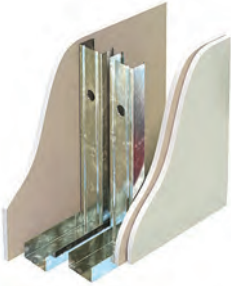
TWIN STUD



ST60.2

FIRE RESISTANCE LEVEL
NLB -/60/60
LB 30/30/30
FROM BOTH SIDES

FRL Basis: FR 2539, 99/1370



SYSTEM DESCRIPTION

Side 1: 1x13mm Firestop pbd
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 1x13mm fire resistant pbd + 1x13mm non-fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm				187				211				243				359			
			STUD SIZE mm				64				76				92				150			
			INSULATION*				R _w								R _w +C _{tr}							
ST60.2A	1x13mm FIRESTOP	1x13mm FIRESTOP + 1x13mm REGULAR	50G11, 50P14				Both Sides	59	59	60	60	49	50	51	54							
			75G11, 75P14					60	61	61	62	50	51	53	55							
ST60.2B	1x13mm FIRESTOP	1x13mm WET AREA FIRESTOP + 1x13mm WET AREA	50G11, 50P14				Both Sides	59	60	60	61	49	50	52	54							
			75G11, 75P14					60	61	62	62	50	52	53	55							

* 50/75G11 - 50/75mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 50/75P14 - 50/75mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA
	0.55	NA	3240 2d	3610 2s	NA
	0.75	3250 d	3820 2d	4180 2d	5370 2s
	1.15	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

ST60.3

FIRE RESISTANCE LEVEL
NLB -/60/60
LB 30/30/30
FROM BOTH SIDES

FRL Basis: FR 2539, 99/1370



SYSTEM DESCRIPTION

Side 1: 1x13mm Firestop pbd
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 1x13mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm				184				208				240				356			
			STUD SIZE mm				64				76				92				150			
			INSULATION*				R _w								R _w +C _{tr}							
ST60.3A	1x13mm FIRESTOP	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	50G11, 50P14				Both Sides	59	60	60	61	49	50	52	54							
			75G11, 75P14					60	61	62	62	50	52	53	55							

* 50/75G11 - 50/75mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. 50/75P14 - 50/75mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA
	0.55	NA	3240 2d	3610 2s	NA
	0.75	3250 d	3820 2d	4180 2d	5370 2s
	1.15	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

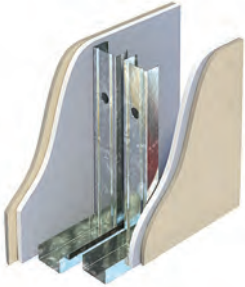
TWIN STUD

R_w	40-44	45-49	50-54
$R_w + C_{tr}$			

ST60.4

FIRE RESISTANCE LEVEL
 NLB **-/60/60**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: FR 2539, 99/1370



SYSTEM DESCRIPTION

- Side 1:** 1x13mm Wet Area Firestop pbd + 1x10mm Fiberock
- Framing:** Twin steel studs
- Gap:** 20mm
- Insulation:** Refer to table
- Side 2:** 1x13mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	194	218	250	366	194	218	250	366
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R_w				$R_w + C_{tr}$			
ST60.4A	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	1x13mm WET AREA FIRESTOP + 1x10mm FIBEROCK	Nil	49	50	51	54	41	42	42	45
			TSB2	57	58	58	59	47	48	49	52
			50G11, 50P14	58	59	59	60	48	49	50	53
			75G11, 75P14	-	60	60	61	-	50	51	54
			90G11, 90P14	-	-	62	62	-	-	52	55

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

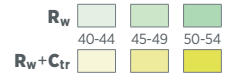
PRESSURE: 0.25 kPa

STUD SPACING mm	600 (NOGGED)			
	64	76	92	150
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA
0.55	NA	3240 2d	3610 2s	NA
0.75	3250 d	3820 2d	4180 2d	5370 2s
1.15	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

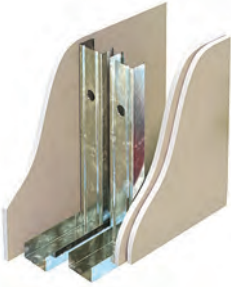
TWIN STUD



ST90.1

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **30/30/30**
 FROM BOTH SIDES

FRL Basis: SI 515, FR 2539, 99/1370, EWFA 27211-00



SYSTEM DESCRIPTION

- Side 1:** 1x13mm fire resistant pbd
- Framing:** Twin steel studs
- Gap:** 20mm
- Insulation:** Refer to table
- Side 2:** 2x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	187	211	243	359	187	211	243	359
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R _w				R _w +C _{tr}			
ST90.1A	1x13mm FIRESTOP	2x13mm FIRESTOP	Nil	48	49	50	52	41	42	42	44
			TSB2	56	57	57	58	46	47	48	51
			50G11, 50P14	57	58	58	59	47	48	49	52
			75G11, 75P14	-	59	59	60	-	49	50	53
			90G11, 90P14	-	-	60	61	-	-	51	54
			TSB2	59	60	60	61	49	50	51	54
			50G11, 50P14	60	61	61	62	50	51	52	55
			75G11, 75P14	61	62	62	63	51	52	53	56
			90G11, 90P14	-	-	63	64	-	-	54	57
			TSB2	59	59	60	60	48	49	50	53
ST90.1B	1x13mm MULTISTOP	2x13mm MULTISTOP	Nil	50	51	52	55	42	43	44	46
			TSB2	59	59	60	60	48	49	50	53
			50G11, 50P14	60	60	61	61	49	50	51	54
			75G11, 75P14	-	61	62	62	-	51	52	55
			90G11, 90P14	-	-	63	63	-	-	53	56
			TSB2	62	62	63	63	51	52	53	56
			50G11, 50P14	63	63	64	64	52	53	54	57
			75G11, 75P14	64	64	65	65	53	54	55	58
			90G11, 90P14	-	-	66	66	-	-	56	59
			TSB2	60	61	61	62	50	51	52	55
ST90.1C	1x13mm FIRESTOP	2x13mm MULTISTOP	Nil	50	50	51	54	42	42	43	45
			TSB2	57	58	58	59	47	48	49	52
			50G11, 50P14	58	59	59	60	48	49	50	53
			75G11, 75P14	-	60	60	61	-	50	51	54
			90G11, 90P14	-	-	61	62	-	-	52	55
			TSB2	60	61	61	62	50	51	52	55
			50G11, 50P14	61	62	62	63	51	52	53	56
			75G11, 75P14	62	63	63	64	52	53	54	57
			90G11, 90P14	-	-	64	65	-	-	55	58
			TSB2	60	61	61	62	50	51	52	55

* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

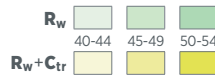
MAX WALL HEIGHTS NON-LOAD BEARING WALLS*					PRESSURE: 0.25 kPa		
STUD SPACING mm		600 (NOGGED)					
STUD SIZE mm		64	76	92	150		
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA		
	0.55	NA	3240 2d	3610 2s	NA		
	0.75	3250 d	3820 2d	4180 2d	5370 2s		
	1.15	3580 d	4050 2d	4690 2d	6810 3s		

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

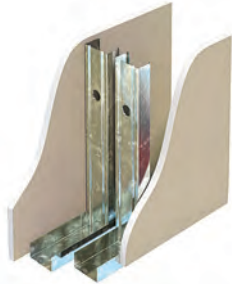
TWIN STUD



ST90.2

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **60/60/60**
 FROM BOTH SIDES

FRL Basis: FR 2539, 99/1370,
 EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 1x16mm fire resistant pbd
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 1x16mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

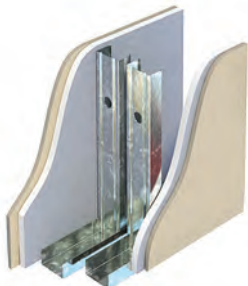
SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	180	204	236	352	180	204	236	352
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R _w				R _w +C _{tr}			
ST90.2A	1x16mm FIRESTOP	1x16mm FIRESTOP	Nil	46	47	48	51	39	40	40	42
			TSB2	54	54	55	55	45	46	48	50
			50G11, 50P14	55	55	56	56	46	47	49	51
			75G11, 75P14	-	56	57	57	-	48	50	52
			90G11, 90P14	-	-	58	58	-	-	51	53
			TSB2	57	57	58	58	48	49	51	53
			50G11, 50P14	58	58	59	59	49	50	52	54
			75G11, 75P14	59	59	60	60	50	51	53	55
			90G11, 90P14	-	-	61	61	-	-	54	56
			ST90.2B	1x16mm MULTISTOP	1x16mm MULTISTOP	Nil	48	48	49	52	41
TSB2	56	57				57	58	47	48	50	52
50G11, 50P14	57	58				58	59	48	49	51	53
75G11, 75P14	-	59				59	60	-	50	52	54
90G11, 90P14	-	-				60	61	-	-	53	55
TSB2	59	60				60	61	50	51	53	55
50G11, 50P14	60	61				61	62	51	52	54	56
75G11, 75P14	61	62				62	63	52	53	55	57
90G11, 90P14	-	-				63	64	-	-	56	58
ST90.2C	1x16mm FIRESTOP	1x16mm MULTISTOP				Nil	47	48	49	51	40
			TSB2	55	56	56	57	46	47	49	51
			50G11, 50P14	56	57	57	58	47	48	50	52
			75G11, 75P14	-	58	58	59	-	49	51	53
			90G11, 90P14	-	-	59	60	-	-	52	54
			TSB2	58	59	59	60	49	50	52	54
			50G11, 50P14	59	60	60	61	50	51	53	55
			75G11, 75P14	60	61	61	62	51	52	54	56
			90G11, 90P14	-	-	62	63	-	-	55	57

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³
 Refer Max Wall Heights table below.

ST90.3

FIRE RESISTANCE LEVEL
 NLB **-/90/90**
 LB **60/60/60**
 FROM BOTH SIDES

FRL Basis: FR 2539, 99/1370



SYSTEM DESCRIPTION

Side 1: 1x16mm Wet Area Firestop pbd + 1x10mm Fiberock
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 1x16mm Wet Area Firestop pbd + 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	200	224	256	372	200	224	256	372
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R _w				R _w +C _{tr}			
ST90.3A	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	1x16mm WET AREA FIRESTOP + 1x10mm FIBEROCK	Nil	51	52	54	57	43	43	44	46
			TSB2	59	60	60	61	49	50	51	53
			50G11, 50P14	60	61	61	62	50	51	52	54
			75G11, 75P14	-	62	63	63	-	52	53	56
			90G11, 90P14	-	-	64	64	-	-	54	57

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS* (ST90.2 & ST90.3) PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2750 s	NA	NA	NA
	0.55	NA	3250 2d	3610 2s	NA
	0.75	3280 d	3870 2d	4200 2d	5370 2s
	1.15	3590 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d - deflection, s - permissible strength, 2d - deflection (2 rows noggings), 2s - strength (2 rows noggings), 3s - strength (3 rows noggings)

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

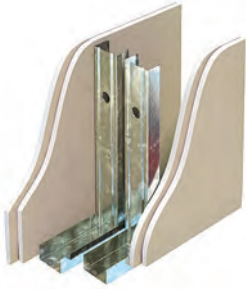
TWIN STUD

R_w
 40-44 45-49 50-54
 R_w+C_{tr}

ST120.1

FIRE RESISTANCE LEVEL
 NLB -/120/120
 LB 90/90/90
 FROM BOTH SIDES

FRL Basis: FR 2539, 99/1370,
 EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 2x13mm fire resistant pbd
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 2x13mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	200	224	256	372	200	224	256	372
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R_w				R_w+C_{tr}			
ST120.1A	2x13mm FIRESTOP	2x13mm FIRESTOP	Nil	53	54	55	58	45	45	46	49
			TSB2	58	59	59	60	49	50	50	54
			50G11, 50P14	59	60	60	61	50	51	51	55
			75G11, 75P14	-	61	61	62	-	52	52	56
			90G11, 90P14	-	-	62	63	-	-	53	57
			TSB2	61	62	62	63	52	53	53	57
			50G11, 50P14	62	63	63	64	53	54	54	58
			75G11, 75P14	-	64	64	65	-	55	55	59
			90G11, 90P14	-	-	65	66	-	-	56	60
			TSB2	63	64	64	65	54	55	56	59
ST120.1B	2x13mm MULTISTOP	2x13mm MULTISTOP	Nil	55	56	57	60	46	47	48	50
			TSB2	60	61	61	62	51	52	53	56
			50G11, 50P14	61	62	62	63	52	53	54	57
			75G11, 75P14	-	63	63	64	-	54	55	58
			90G11, 90P14	-	-	64	65	-	-	56	59
			TSB2	63	64	64	65	54	55	56	59
			50G11, 50P14	64	65	65	66	55	56	57	60
			75G11, 75P14	-	66	66	67	-	57	58	61
			90G11, 90P14	-	-	67	68	-	-	59	62
			TSB2	62	63	63	64	53	54	55	58
ST120.1C	2x13mm FIRESTOP	2x13mm MULTISTOP	Nil	54	55	56	59	46	46	47	50
			TSB2	59	60	60	61	50	51	52	55
			50G11, 50P14	60	61	61	62	51	52	53	56
			75G11, 75P14	-	62	62	63	-	53	54	57
			90G11, 90P14	-	-	63	64	-	-	55	58
			TSB2	62	63	63	64	53	54	55	58
			50G11, 50P14	63	64	64	65	54	55	56	59
			75G11, 75P14	-	65	65	66	-	56	57	60
			90G11, 90P14	-	-	66	67	-	-	58	61
			TSB2	63	64	64	65	54	55	56	59

* 50/75/90G11 - 50/75/90mm Pink® Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS*

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA
	0.55	NA	3240 2d	3610 2s	NA
	0.75	3250 d	3820 2d	4180 2d	5370 2s
	1.15	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d - deflection, 2d - deflection (2 rows of noggings), 2s - strength (2 rows of noggings), 3s - strength (3 rows of noggings)

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

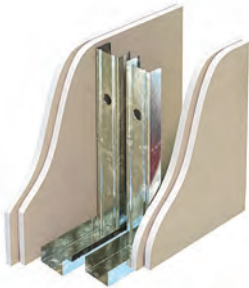
TWIN STUD

R _w	40-44	45-49	50-54
R _w +C _{tr}			

ST180.1

FIRE RESISTANCE LEVEL
NLB -/180/180
LB 120/120/120
 FROM BOTH SIDES

FRL Basis: FR 2539, 99/1370,
 EWFA 27211-00



SYSTEM DESCRIPTION

Side 1: 2x16mm fire resistant pbd
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 2x16mm fire resistant pbd

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	212	236	268	384	212	236	268	384
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R _w				R _w +C _{tr}			
ST180.1A	2x16mm FIRESTOP	2x16mm FIRESTOP	Nil	54	55	56	60	46	47	48	51
			TSB2	60	60	61	61	50	51	52	54
			50G11, 50P14	61	61	62	62	51	52	53	55
			75G11, 75P14	-	62	63	63	-	53	54	56
			90G11, 90P14	-	-	64	64	-	-	55	57
			TSB2	63	63	64	64	53	54	55	57
			50G11, 50P14	64	64	65	65	54	55	56	58
			75G11, 75P14	-	65	66	66	-	56	57	59
			90G11, 90P14	-	-	67	67	-	-	58	60
			ST180.1B	2x16mm MULTISTOP	2x16mm MULTISTOP	Nil	55	56	57	61	48
TSB2	60	61				61	62	52	53	54	56
50G11, 50P14	61	62				62	63	53	54	55	57
75G11, 75P14	-	63				63	64	-	55	56	58
90G11, 90P14	-	-				64	65	-	-	57	59
TSB2	63	64				64	65	55	56	57	59
50G11, 50P14	64	65				65	66	56	57	58	60
75G11, 75P14	-	66				66	67	-	58	59	61
90G11, 90P14	-	-				67	68	-	-	60	62
ST180.1C	2x16mm FIRESTOP	2x16mm MULTISTOP				Nil	53	54	55	59	47
			TSB2	60	60	61	61	51	52	53	55
			50G11, 50P14	61	61	62	62	52	53	54	56
			75G11, 75P14	-	62	63	63	-	54	55	57
			90G11, 90P14	-	-	64	64	-	-	56	58
			TSB2	63	63	64	64	54	55	56	58
			50G11, 50P14	64	64	65	65	55	56	57	59
			75G11, 75P14	-	65	66	66	-	57	58	60
			90G11, 90P14	-	-	67	67	-	-	59	61

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

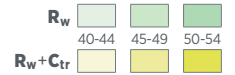
MAX WALL HEIGHTS NON-LOAD BEARING WALLS*					PRESSURE: 0.25 kPa
STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2300 f	NA	NA	NA
	0.55	NA	2700 f	3500 f	NA
	0.75	2700 f	3000 f	3500 f	5000 f
	1.15	3000 f	3500 f	4000 f	5900 f

Height Limiting Factor: f - fire height

*Refer Rondo for maximum heights for load bearing walls

For the full range of USG Boral systems refer to usgboral.com/eselector
 Check product availability when specifying Multistop and Impactstop linings.

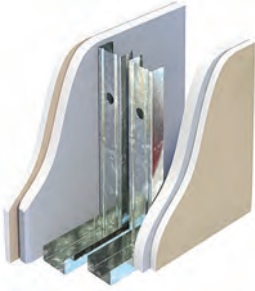
TWIN STUD



ST180.2

FIRE RESISTANCE LEVEL
 NLB **-/180/180**
 LB **120/120/120**
 FROM BOTH SIDES

FRL Basis: FCO-2440



ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	230	254	286	402	230	254	286	402	
			STUD SIZE mm	64	76	92	150	64	76	92	150	
			INSULATION*	R_w				R_w+C_{tr}				
ST180.2A	1x25mm SHAFTLINER + 1x16mm FIRESTOP	1x25mm SHAFTLINER + 1x16mm FIRESTOP	Nil	53	55	56	59	44	45	46	49	
			One Side	TSB2	61	62	62	63	52	53	54	56
				50G11, 50P14	63	64	64	65	54	55	56	58
				75G11, 75P14	-	65	66	66	-	56	57	59
				90G11, 90P14	-	-	67	68	-	-	58	60
			Both Sides	TSB2	63	64	64	65	54	55	56	58
				50G11, 50P14	65	66	66	67	56	57	58	60
				75G11, 75P14	-	67	68	68	-	58	59	61
				90G11, 90P14	-	-	69	70	-	-	60	62

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

For maximum wall heights contact USG Boral

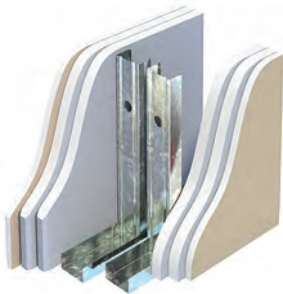
SYSTEM DESCRIPTION

- Side 1:** 1x25mm Shaftliner pbd + 1x16mm Firestop pbd
- Framing:** Twin steel studs + Linerstrips
For maximum wall heights contact USG Boral
- Gap:** 20mm
- Insulation:** Refer to table
- Side 2:** 2x16mm fire resistant lining

ST240.1

FIRE RESISTANCE LEVEL
 NLB **-/240/240**
 LB **180/180/180**
 FROM BOTH SIDES

FRL Basis: FCO-2440



ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	280	304	336	452	280	304	336	452	
			STUD SIZE mm	64	76	92	150	64	76	92	150	
			INSULATION*	R_w				R_w+C_{tr}				
ST240.1A	2x25mm SHAFTLINER + 1x16mm FIRESTOP	2x25mm SHAFTLINER + 1x16mm FIRESTOP	Nil	62	63	65	68	52	53	54	57	
			One Side	TSB2	70	70	71	72	61	62	63	64
				50G11, 50P14	72	73	73	74	63	64	65	66
				75G11, 75P14	-	74	74	75	-	65	66	67
				90G11, 90P14	-	-	76	76	-	-	67	68
			Both Sides	TSB2	72	72	73	74	63	64	65	66
				50G11, 50P14	74	75	75	76	65	66	67	68
				75G11, 75P14	-	76	76	77	-	67	68	69
				90G11, 90P14	-	-	78	78	-	-	69	70

* 50/75/90G11 - 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 - 50/75/90mm Polyester Insulation 14kg/m³

For maximum wall heights contact USG Boral

SYSTEM DESCRIPTION

- Side 1:** 2x25mm Shaftliner pbd + 1x16mm Firestop pbd
- Framing:** Twin steel studs + Linerstrips
For maximum wall heights contact USG Boral
- Gap:** 20mm
- Insulation:** Refer to table
- Side 2:** 2x25mm Shaftliner + 1x16mm Firestop

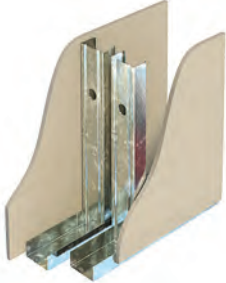
For the full range of USG Boral systems refer to usgboral.com/eselector

R_w	40-44	45-49	50-54
R_w+C_{tr}			

FIBEROCK – TWIN STUD

STF.1

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1: 1x10mm Fiberock
- Framing: Twin steel studs
- Gap: 20mm
- Insulation: Refer to table
- Side 2: 1x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	168	192	224	340	168	192	224	340
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R_w				R_w+C_{tr}			
STF.1A	1x10mm FIBEROCK	1x10mm FIBEROCK	Nil	42	43	44	46	35	36	36	38
			TSB2	50	50	51	51	40	41	43	45
			50G11, 50P14	51	51	52	52	41	42	43	46
			75G11, 75P14	-	52	52	53	-	42	43	46
			90G11, 90P14	-	-	52	53	-	-	43	46
			TSB2	53	53	54	54	43	44	46	48
			50G11, 50P14	54	54	55	55	44	45	46	49
			75G11, 75P14	-	55	55	56	-	45	46	49
			90G11, 90P14	-	-	55	56	-	-	46	49

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

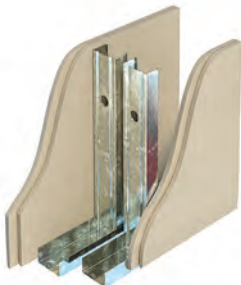
PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA
	0.55	NA	3200 2d	3610 2s	NA
	0.75	3130 d	3580 2d	4130 2d	5330 2h
	1.15	3530 d	4050 2d	4690 2d	5330 2h

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), 2h – head track capacity (2 rows of noggings), 2s – strength (2 rows of noggings)

STF.2

NON-FIRE RATED



SYSTEM DESCRIPTION

- Side 1: 2x10mm Fiberock
- Framing: Twin steel studs
- Gap: 20mm
- Insulation: Refer to table
- Side 2: 2x10mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	188	212	244	360	188	212	244	360
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R_w				R_w+C_{tr}			
STF.2A	2x10mm FIBEROCK	2x10mm FIBEROCK	Nil	50	51	52	55	42	43	44	46
			TSB2	58	58	58	59	48	49	49	53
			50G11, 50P14	59	59	60	60	48	50	51	53
			75G11, 75P14	-	60	60	61	-	50	51	54
			90G11, 90P14	-	-	60	61	-	-	51	54
			TSB2	61	61	61	62	51	52	52	56
			50G11, 50P14	62	62	63	63	51	53	54	56
			75G11, 75P14	-	63	63	64	-	53	54	57
			90G11, 90P14	-	-	63	64	-	-	54	57

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA
	0.55	NA	3200 2d	3610 2s	NA
	0.75	3130 d	3580 2d	4130 2d	5330 2h
	1.15	3530 d	4050 2d	4690 2d	5330 2h

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), 2h – head track capacity (2 rows of noggings), 2s – strength (2 rows of noggings)

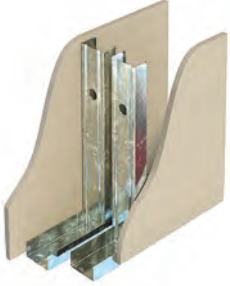
For the full range of USG Boral systems refer to usgboral.com/eselector

FIBEROCK – TWIN STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

STF.3

NON-FIRE RATED



SYSTEM DESCRIPTION

Side 1: 1x13mm Fiberock
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 1x13mm Fiberock

ACOUSTIC RATINGS

BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	174	198	230	346	174	198	230	346
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R_w				R_w+C_{tr}			
STF.3A	1x13mm FIBEROCK	1x13mm FIBEROCK	Nil	45	45	46	49	38	38	39	41
			TSB2	54	54	55	55	44	45	46	49
			50G11, 50P14	55	55	56	56	45	46	47	49
			75G11, 75P14	-	56	56	56	-	46	47	49
			90G11, 90P14	-	-	56	56	-	-	47	49
			TSB2	57	57	58	58	47	48	49	52
			50G11, 50P14	58	58	59	59	48	49	50	52
			75G11, 75P14	-	59	59	59	-	49	50	52
			90G11, 90P14	-	-	59	59	-	-	50	52

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA
	0.55	NA	3240 2d	3610 2s	NA
	0.75	3250 d	3820 2d	4180 2d	5370 2s
	1.15	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), 2s – strength (2 rows of noggings), 3s – strength (3 rows of noggings)

STF30.1

FIRE RESISTANCE LEVEL
 NLB -/30/30
 FROM BOTH SIDES

FRL Basis: FAR2396



SYSTEM DESCRIPTION

Side 1: 1x13mm Fiberock
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 2x13mm Fiberock

ACOUSTIC RATINGS

BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	187	211	243	359	187	211	243	359
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R_w				R_w+C_{tr}			
STF30.1A	1x13mm FIBEROCK	2x13mm FIBEROCK	Nil	50	51	52	55	42	43	44	46
			TSB2	58	59	59	60	48	49	50	53
			50G11, 50P14	59	60	60	61	49	50	51	54
			75G11, 75P14	-	61	61	62	-	51	52	55
			90G11, 90P14	-	-	62	63	-	-	53	56
			TSB2	61	62	62	63	51	52	53	56
			50G11, 50P14	62	63	63	64	52	53	54	57
			75G11, 75P14	63	64	64	65	53	54	55	58
			90G11, 90P14	-	-	65	66	-	-	56	59

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
 50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2720 d	NA	NA	NA
	0.55	NA	3240 2d	3610 2s	NA
	0.75	3250 d	3820 2d	4180 2d	5370 2s
	1.15	3580 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings), 2s – strength (2 rows of noggings), 3s – strength (3 rows of noggings)

FIBEROCK – TWIN STUD

R_w	40-44	45-49	50-54
R_w+C_{tr}			

STF60.1

FIRE RESISTANCE LEVEL
NLB **-/60/60**
FROM BOTH SIDES

FRL Basis: FAR2396



SYSTEM DESCRIPTION

Side 1: 1x16mm Fiberock
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 1x16mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	180	204	236	352	180	204	236	352
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R_w				R_w+C_{tr}			
STF60.1A	1x16mm FIBEROCK	1x16mm FIBEROCK	Nil	48	49	50	53	41	41	42	44
			TSB2	57	58	58	59	48	49	50	53
			50G11, 50P14	58	59	59	60	49	50	51	54
			75G11, 75P14	-	60	60	61	-	51	52	55
			90G11, 90P14	-	-	61	62	-	-	53	56
			TSB2	60	61	61	62	51	52	53	56
			50G11, 50P14	61	62	62	63	52	53	54	57
			75G11, 75P14	62	63	63	64	53	54	55	58
			90G11, 90P14	-	-	64	65	-	-	56	59

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

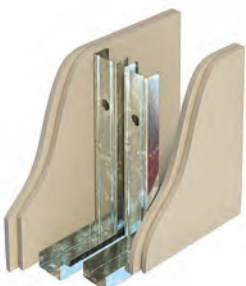
BASE METAL THICKNESS mm	STUD SPACING mm	600 (NOGGED)			
	STUD SIZE mm	64	76	92	150
	0.50	2750 s	NA	NA	NA
0.55	NA	3250 2d	3610 2s	NA	
0.75	3280 d	3870 2d	4200 2d	5370 2s	
1.15	3590 d	4050 2d	4690 2d	6810 3s	

Height Limiting Factor: d – deflection, s – permissible strength, 2d – deflection (2 rows of noggings), 2s – strength (2 rows of noggings), 3s – strength (3 rows of noggings)

STF90.1[^]

FIRE RESISTANCE LEVEL
NLB **-/90/90**
FROM BOTH SIDES

FRL Basis: FAR4405



SYSTEM DESCRIPTION

Side 1: 2x13mm Fiberock
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 2x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	200	224	256	372	200	224	256	372
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R_w				R_w+C_{tr}			
STF90.1A	2x13mm FIBEROCK	2x13mm FIBEROCK	Nil	55	56	NA	NA	46	47	NA	NA
			TSB2	60	61	NA	NA	51	52	NA	NA
			50G11, 50P14	61	62	NA	NA	52	53	NA	NA
			75G11, 75P14	-	63	NA	NA	-	54	NA	NA
			90G11, 90P14	-	-	NA	NA	-	-	NA	NA
			TSB2	63	64	NA	NA	54	55	NA	NA
			50G11, 50P14	64	65	NA	NA	55	56	NA	NA
			75G11, 75P14	-	66	NA	NA	-	57	NA	NA
			90G11, 90P14	-	-	NA	NA	-	-	NA	NA

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

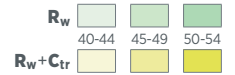
BASE METAL THICKNESS mm	STUD SPACING mm	600 (NOGGED)			
	STUD SIZE mm	64	76	92	150
	0.50	2720 d	NA	NA	NA
0.55	NA	3240 2d	NA	NA	
0.75	3250 d	3820 2d	NA	NA	
1.15	3580 d	4050 2d	NA	NA	

Height Limiting Factor: d – deflection, 2d – deflection (2 rows of noggings)

[^]System STF90.1 must utilise 64mm or 76mm studs only.

For the full range of USG Boral systems refer to usgboral.com/eselector

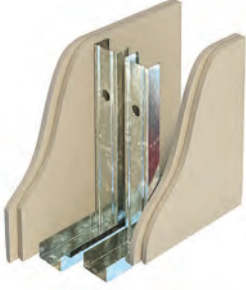
FIBEROCK – TWIN STUD



STF120.1[^]

FIRE RESISTANCE LEVEL
NLB **-/120/120**
FROM BOTH SIDES

FRL Basis: FAR4405



SYSTEM DESCRIPTION

Side 1: 2x13mm Fiberock
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 2x13mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	200	224	256	372	200	224	256	372
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R _w				R _w +C _{tr}			
STF120.1A	2x13mm FIBEROCK	2x13mm FIBEROCK	Nil	NA	NA	57	60	NA	NA	48	50
			TSB2	NA	NA	61	61	NA	NA	53	56
			50G11, 50P14	NA	NA	62	62	NA	NA	54	57
			75G11, 75P14	-	NA	63	63	-	NA	55	58
			90G11, 90P14	-	-	64	64	-	-	56	59
			TSB2	NA	NA	64	64	NA	NA	56	59
			50G11, 50P14	NA	NA	65	65	NA	NA	57	60
			75G11, 75P14	-	NA	66	66	-	NA	58	61
			90G11, 90P14	-	-	67	67	-	-	59	62

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	NA	NA	NA	NA
	0.55	NA	NA	3610 2s	NA
	0.75	NA	NA	4810 2d	5370 2s
	1.15	NA	NA	4690 2d	6810 3s

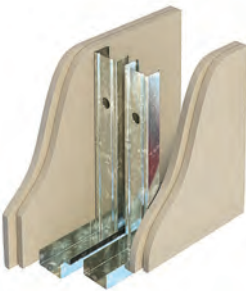
Height Limiting Factor: 2d – deflection (2 rows of noggings), 2s – strength (2 rows of noggings), 3s – strength (3 rows of noggings)

*System STF120.1 must utilise 92mm or 150mm studs only.

STF120.2

FIRE RESISTANCE LEVEL
NLB **-/120/120**
FROM BOTH SIDES

FRL Basis: FAR2396



SYSTEM DESCRIPTION

Side 1: 2x16mm Fiberock
Framing: Twin steel studs
Gap: 20mm
Insulation: Refer to table
Side 2: 2x16mm Fiberock

ACOUSTIC RATINGS BASIS: RT&A TE405-05F05

SYSTEM	LINING SIDE 1	LINING SIDE 2	MIN WALL WIDTH mm	212	236	268	384	212	236	268	384
			STUD SIZE mm	64	76	92	150	64	76	92	150
			INSULATION*	R _w				R _w +C _{tr}			
STF120.2A	2x16mm FIBEROCK	2x16mm FIBEROCK	Nil	56	57	58	61	48	49	50	53
			TSB2	61	61	62	63	52	53	54	56
			50G11, 50P14	62	62	63	64	53	54	55	57
			75G11, 75P14	-	63	64	65	-	55	56	58
			90G11, 90P14	-	-	65	66	-	-	57	59
			TSB2	64	64	65	66	55	56	57	59
			50G11, 50P14	65	65	66	67	56	57	58	60
			75G11, 75P14	-	66	67	68	-	58	59	61
			90G11, 90P14	-	-	68	69	-	-	60	62

* 50/75/90G11 – 50/75/90mm Pink* Partition 11kg/m³ glasswool by Fletcher Insulation. TSB2 by Tontine Insulation (or equivalent)
50/75/90P14 – 50/75/90mm Polyester Insulation 14kg/m³

MAX WALL HEIGHTS NON-LOAD BEARING WALLS

PRESSURE: 0.25 kPa

STUD SPACING mm		600 (NOGGED)			
STUD SIZE mm		64	76	92	150
BASE METAL THICKNESS mm	0.50	2750 d	NA	NA	NA
	0.55	NA	3250 2d	3610 2s	NA
	0.75	3280 d	3870 2d	4200 2d	5370 2s
	1.15	3590 d	4050 2d	4690 2d	6810 3s

Height Limiting Factor: d – deflection, s – permissible strength, 2d – deflection (2 rows of noggings), 2s – strength (2 rows of noggings), 3s – strength (3 rows of noggings)

For the full range of USG Boral systems refer to usgboral.com/eselector