

TECHNICAL DATA

Shaftliner™



Shaftliner™ panels are specially manufactured fire-stop plasterboard panels, developed for use in Boral Plasterboard Cavity Shaft Wall systems to provide fire protection for elevator shafts, vertical ducts and other applications where installation is possible from one side only. Shaftliner™ panel is 25mm thick, 600mm wide bevelled edge fire-rated plasterboard utilised in Partiwall®, IntRwall® and Shaft Wall systems.

Shaftliner™ is certified by Good Environmental Choice Australia (GECA) and may contribute to Green Star points.

ADVANTAGES

- Fire resistance
- Lightweight construction
- Acoustic performance
- May contribute to green star points

PERFORMANCE DETAILS

FIRE

- Achieves fire resistance of up to 4 hours when used in systems.
- Fire tested to achieve the least fire hazard Group Number for wall and ceiling materials as defined by BCA BRANZ assessment No. FH 3473.

ACOUSTIC

Shaftliner™, when used in an acoustic system can provide required levels of sound insulation to achieve specified acoustic ratings.

STRUCTURAL

Shaftliner™ complies to the relevant deem-to-satisfy provisions of BCA Specification C1.8 Structural Tests for Lightweight Construction.



BOARD SPECIFICATION

Feature	Description
Thickness	25mm
Edge Profiles	Bevelled edge
Sheet Size (width x length)	600 x 3000mm, 600 x 3600mm [Please refer to Size & Availability Chart for more sizes] Product availability: Certain products and sizes may only be available on order or in pack lots.
Paper Colour	Blue/Grey
Mass	20.50 kg/m ² nominal
Fire Hazard Properties	Group 1 – in accordance with BCA Specification C1.10a Fire Hazard Properties – Floors, Walls and Ceilings.
Combustibility	Non Combustible material as defined in BCA Deem-to-Satisfy Provisions C1.12
VOC	Less than 0.5mg/m ³ TVOC
GECA	Certified to GECA 04-2011 v2 – Panel Boards
Manufacture	Manufactured in Australia to the requirements of AS/NZS 2588:1998 Gypsum plasterboard and in accordance with AS/NZS ISO 9001:2008 – Quality management systems – Requirements

- Exceeds compliance criteria for BCA resistance to impact test to ASTM E695-75.
- Exceeds compliance criteria for BCA resistance to static pressure test to ASTM E72-80.

INSTALLATION

Refer to USG Boral website www.usgboral.com/plasterboard or call TecASSIST on 1800 811 222.

SUSTAINABILITY

- Shaftliner™ is manufactured using 100% recycled liner paper.
- Shaftliner™ has been independently certified by Good Environmental Choice Australia (GECA) and complies with requirements of GECA 04-2011 v2 – Panel Boards Standard.
- Independently tested for VOC and formaldehyde.
- The use of Shaftliner™ may contribute credit points when assessed under various Green star Rating Tools.

GBCA GREEN STAR RATINGS

The Green Building Council of Australia (GBCA) has developed a number of assessment tools to determine GBCA Green Star Ratings. Shaftliner™ may contribute to the overall rating as outlined in the table below.

Green Star Rating Tools

Systems Configuration	Assessment Categories			
	Management (Man)	Indoor Environmental Quality (IEQ)		Materials (Mat)
	Waste Management	Internal Noise Levels	Volatile Organic Compounds	Walls and Partitions
Office Interiors v1.1	Man-6	IEQ-10	IEQ-11	Mat-3
Office Design v3	Man-7	IEQ-12	IEQ-13	–
Office As Built v3	Man-7	IEQ-12	IEQ-13	–
Retail Centre v1	Man-7	IEQ-7	IEQ-8	–
Education v1	Man-7	IEQ-7	IEQ-8	–
Healthcare v1	Man-7	IEQ-7	IEQ-8	Mat-14
Multi Unit Residential v1	Man-7	IEQ-7	IEQ-8	Mat-14

MANAGEMENT (MAN) WASTE MANAGEMENT

Waste collection services are available to divert acceptable plasterboard waste away from land fill for recycling or re-processing for other uses. For information on waste collection services available, please contact your local USG Boral office.

INDOOR ENVIRONMENT QUALITY (IEQ) INTERNAL NOISE LEVELS

Shaftliner™, when used in an acoustic system, can assist in controlling noise levels and occupant comfort through the attenuation of noise transmissions.

INDOOR ENVIRONMENT QUALITY (IEQ) VOLATILE ORGANIC COMPOUNDS (VOC) AND FORMALDEHYDE MINIMISATION

USG Boral products, compounds and adhesives have been independently tested to confirm compliance with Green Star specification limits for VOCs and are formaldehyde free.

REFERENCES

Refer www.usgboral.com/shaftliner for Material Safety Data Sheet, Volatile Organic Compound Emission details and Fire Test Report information.

SALES ENQUIRIES 1800 003 377

TecASSIST® 1800 811 222

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This technical information is intended to provide general information on plasterboard products and should not be a substitute for professional building advice. We recommend you use a qualified person to install USG Boral plasterboard. Illustrations in this guide are only representative of USG Boral plasterboard products and the appearance and effects that may be achieved by their use. To ensure the information you are using is current, USG Boral recommends you review the latest building information available on the USG Boral website. www.usgboral.com

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