CLEAN ROOM™ CLIMAPLUS™

RH 99

Clean Room Class 10M-100M Panels with ClimaPlus Performance / DONN Brand DXLA Suspension System

FEATURES AND BENEFITS

- Clean Room™ ClimaPlus™ Class 100 and Class 10M-100M panels have an embossed, vinyl-laminated face with sealed back and edges for use in Class 100 or 10M-100M clean rooms.
- Firecode® formulation designed to meet life safety codes.
- ClimaPlus™ 30-year lifetime system warranty to withstand conditions up to 49°C (120°F) and 99% relative humidity without visible sag when used with DONN® Brand suspension system.
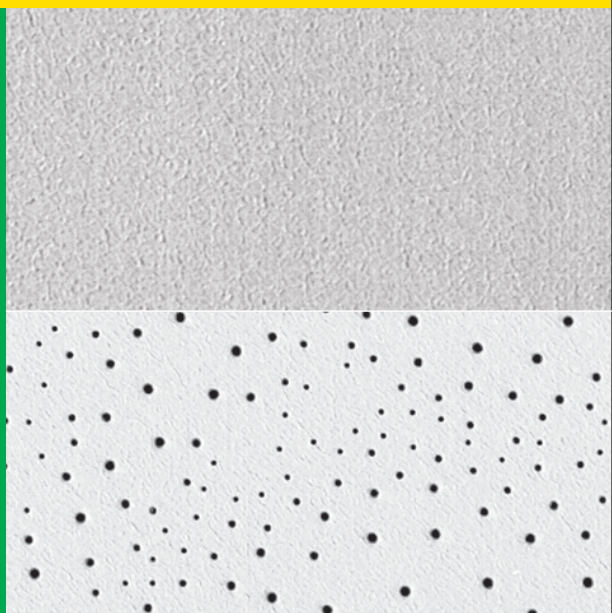
APPLICATIONS

- Clean rooms
- Hospitals
- Surgical areas
- Laboratories
- Kitchens/food preparation areas

SUBSTRATE

- Water-felted mineral fiber

HRC High Recycled Content

Smooth-textured panel, Class 100

Smooth-textured panel, Class 10M-100M

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	Edge[4]	Panel Size[7]	Class[8]	Item No.	NRC	CAC Min.	LR[3]	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew	Recycled Content[1]
			🔥		NRC	CAC	💡		⊞	◁	💧	♻
CLEAN ROOM CLIMAPLUS CLASS 100 PANELS	SQ	2' x 2' x 5/8" 600 x 600 x 15mm unperforated	🔥	56099 ME56099	-	35	.79	White	A, B, C, D, E	Low		52% HRC
		2' x 4' x 5/8" 600 x 1200 x 15mm unperforated	🔥	56091 ME56091	-	35	.79	White	A, B, C, D, E	Low		52% HRC
CLEAN ROOM CLIMAPLUS CLASS 10M-100M PANELS[6]	SQ	2' x 2' x 5/8" 600 x 600 x 15mm perforated	🔥	56060 ME56060	.55	35	.79	White	A, B, C, D, E	Low		52% HRC
		2' x 4' x 5/8" 600 x 1200 x 15mm perforated	🔥	56090 ME56090	.55	35	.79	White	A, B, C, D, E	Low		52% HRC

LEGEND

◁ **Low Emission (VOC Class)**

Low-Emitting performance meets CA Specification 01350 (CA Dept. of Health Services Standard Practice for the testing of VOC emissions) and is listed on CHPS data base for low-emitting materials.

💧 **CLIMAPLUS Superior Performance**

Contains a broad-spectrum antimicrobial additive on the face and back of the panel that provides resistance against the growth of mold and mildew

HRC **High Recycled Content**

Classified as containing greater than 50% total recycled content. Total recycled content is based on panel composition of post-consumer and pre-consumer (post-industrial) recycled content

🔥 Firecode®

A DX®/DXL™ DXI DXII DXIII	B DXLA™	C ZXLA™	D[8] AX™	E CE™[5]

GRID PROFILE OPTIONS

PHYSICAL DATA/ FOOTNOTES

ASTM E1264 Classification
Class 100: Type X, Pattern GI
Class 10-100M: Type X, Pattern CGI

ASTM E84 surface burning characteristics
Class A
Flame spread: 25
Smoke developed: 50

Imperial Weight
1.1 lb./ ft² (Class 100™ panel)
1.2 lb./ ft² (Class 10m-100m panels)
Metric Weight
1.1 lb./ ft² (Class 100™ panel)
1.2 lb./ ft² (Class 10m-100m panels)

Thermal Resistance
R-1.60

Backloading
Refer to Installation and Maintenance

Maintenance
Can be cleaned easily with a damp sponge, mild detergent and water. Do not use acetate, ammonia, or highly concentrated chlorine, bromide or other harsh chemicals.

Footnotes
1. For details, see LEED report tool at usgdesignstudio.com.

2. NRC rating CleanRoom ClimaPlus Class 100 panels is .10. USG does not consider a ceiling panel to be acoustically rated if NRC is less than .50

3. LR values are shown as averages.

4. Field-cut edges of CleanRoom panels may be seated with white latex paint.

5. Clean-room-rated applications require a suspension system with gasketed tee flanges such as DONN CE.

6. Not intended for kitchen/food prep applications. Use unperforated product (Class100) - Item numbers 56099 and 56091.

7. Not all panel sizes available in all geographic areas.

8. Not all grids shown should be used with the fire resistant panels; for fire rated assemblies, see UL design details.

Short Specification:
• Ceiling system shall comprise USG CleanRoom™ ClimaPlus™ high humidity / fire resistance acoustical ceiling panels in (DONN DX 24mm [15/16"] / DONN CE 38mm [1-1/2"] / DONN DXW 38mm [1-1/2"] / DXLA 24mm [15/16"] / ZXLA 24mm [15/16"] / AX 24mm [15/16"]) exposed grid including wall trim as manufactured by USG Interiors, LLC.
• Panels shall have NRC 0.55 (CleanRoom™ ClimaPlus™ Class 10M-100M perforated)
• Panels shall have CAC 35
• Nominal size (600 x 600mm / 600mm x 1200mm) x 15mm / (2' x 2' / 2' x 4') x 5/8".
• Edge detail shall be Square [SQ] .
• Limiting Conditions - Maximum 49°C (120°F) and 99% RH

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