

**CLIMAPLUS™ PERFORMANCE**

# Mars™ Acoustical Panels with Clean Room™ options

**FEATURES AND BENEFITS**

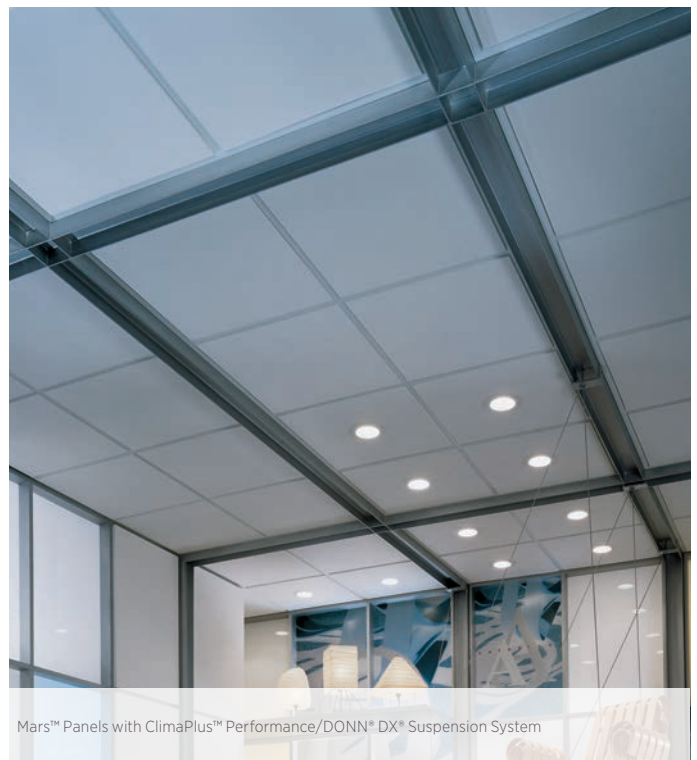
- Excellent noise reduction (NRC 0.70)
- High light-reflective finish (LR 0.90) reduces light fixtures and energy use
- Non-directional, monolithic visual reduces installation time and waste
- Mars™ Clean Room™ option has sealed back and edges meeting ISO Class 5 (Class 100) requirements
- Mars™ Clean Room™ option exceeds JIS Z 2801 standard for anti-microbial performance, 3rd party certified<sup>6</sup>
- Mars™ Clean Room™ option meets the requirement for PC1 and PC2 physical containment facilities
- Washable and scrubbable finish - impact and scratch resistant
- ClimaPlus™ 30-year lifetime system warranty against visible sag when used with a DONN® Brand suspension system

**APPLICATIONS**

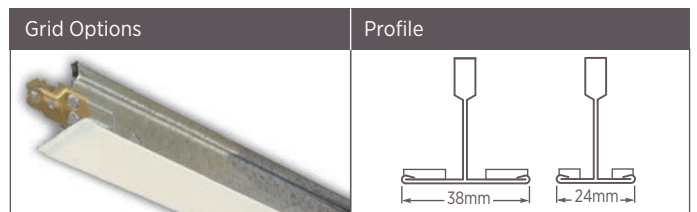
- Offices and conference rooms
- Data centre rooms, computer rooms
- Healthcare
- Classrooms
- Clean Rooms (86185CR & 88185CR)
- Dining rooms, kitchens and food prep areas

**SUBSTRATE**

- Wet-formed mineral fibre

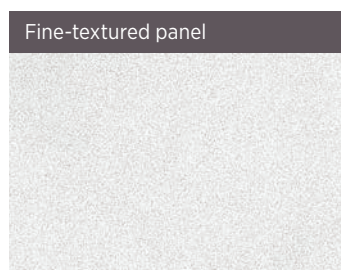


Mars™ Panels with ClimaPlus™ Performance/DONN® DX® Suspension System



Donn® DX® 24mm  
- available with high performance coating antimicrobial





























































Donn® CE™  
grid system with factory-applied closed cell foam gaskets for controlled environment rooms



# MARS™ ACOUSTICAL PANELS with Clean Room™ options

## CLIMAPLUS™ PERFORMANCE

**10** YEAR AVAILABILITY  
86185, 86785,  
86985, 88185

Edge	Panel Size <sup>1,2</sup>	Item No.	NRC <sup>3</sup>	CAC <sup>3</sup> Min.	LR <sup>4</sup>	Colour	Grid Options	VOC Emissions <sup>5</sup>	Anti-Mould & Mildew <sup>5</sup>	Recycled Content	
<b>MARS™ PANELS</b>	SQ 	600 x 600 x 19mm	ME8210	0.70 	35 	0.89 	White	A, B 	Low 		80% 
		1200 x 600 x 19mm	ME8410	0.70 	35 	0.89 	White	A 	Low 		80% 
	SLT 	600 x 600 x 19mm	ME8220	0.70 	35 	0.89 	White	C 	Low 		80% 
		1200 x 600 x 19mm	ME8420	0.70 	35 	0.89 	White	C 	Low 		80% 
	FLB 	600 x 600 x 19mm	ME8230	0.70 	35 	0.89 	White	D, E 	Low 		80% 
		1200 x 600 x 19mm	ME8430	0.70 	35 	0.89 	White	D, E 	Low 		80% 
<b>MARS™ CLEAN ROOM™ PANELS (ISO 5)</b>	SQ 	600 x 600 x 19mm	ME86169CR	0.75 	35 	0.90 	White	A, B, F 	Low 		69% 
		1200 x 600 x 19mm	ME88189CR	0.75 	35 	0.90 	White	A, F 	Low 		69% 

### LEGEND

 Low Emission (VOC Class)

 ClimaPlus™ Superior Performance<sup>5</sup>


 Recycled Content

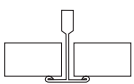
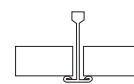
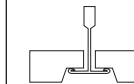
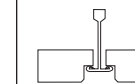
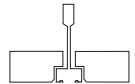
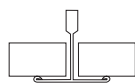
  $\geq 0.70$  NRC

Third party (GREENGUARD Gold) certified for low-emitting performance, ASTM Standard Guide D5116 - 10. 'Certificates of Compliance' for Low VOC Emissions are available on usg.com and usgboral.com.

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

Total recycled content is based on product composition of post-consumer and pre-consumer (postindustrial) recycled content. ISO 14021:2016.

  $\geq 0.70$  NRC

A DX* Available with high performance antimicrobial coating	B Centricitee™ DXT™	C DX*	D Centricitee™ DXT™	E Fineline® DXF™	F Clean Room™ CE™
					

### GRID PROFILE OPTIONS

### ANTIMICROBIAL

**Clean Room™** performance combined with an antimicrobial formula designed to adhere to your ceiling design. The kill rate for the following micro-organisms that land on the surface of the tile is 99% in less than 24 hours. (tested to JIS Z2801): E-coli, Staphylococcus Aureus, Klebsiella Pneumoniae, S. aureus MRSA, Acinebacter Baumanii, Canadida Albicans, Streptococcus Pnuemoniae, Bacillus Cereus 7, Aspergillus Niger 7. Testing completed by 3rd party in laboratory conditions.

### SHORT SPECIFICATION

- Ceiling system shall comprise USG Boral Mars™ / Mars™ Clean Room™ ClimaPlus™ acoustical ceiling panels in DONN® Centricitee™ 15mm / DONN® DX™ 24mm DONN Fineline® 15mm, Clean Room™ CE™ 38mm exposed grid including wall trim as manufactured by USG Boral
- Panels shall have NRC 0.70 / 0.75
- Mars™ Panels shall have CAC 35 minimum
- Nominal size (600mm x 600mm / 600mm x 1200mm) x 19mm
- Edge detail shall be (Fineline® Bevel [FLB] / Shadowline Tapered [SLT] / Square edge [SQ])
- Limiting Conditions - Maximum 49°C / 99% RH

### PHYSICAL DATA/ FOOTNOTES

#### Weight

5.0 - 5.3 kg/m<sup>2</sup>

#### Environmental Limitations

49°C, 99% RH max.

#### Thermal Resistance

R 0.39 (m<sup>2</sup>K)/W

#### Maximum Backloading

0 kg/m<sup>2</sup>

#### Maintenance

Can be cleaned easily with a soft brush or vacuum.

#### Installation

Shall not begin until the building is fully enclosed, watertight, dry, permanent heating and cooling equipment is in operation, residual moisture from wet trades (eg. terrazzo, concrete, plaster) has dissipated, and is free of chemical fumes. Do not mix production lots in the same ceiling area.

#### Scrubability

Exceed 1000+ scrub cycles without surface break or the extent of abrasion (ASTM D2486)

#### Washability

Exceed 1000+ wash cycles without surface break or the extent of abrasion (ASTM D4828)

#### Water resistance

Absorption of 1,660 gm/m<sup>2</sup> per Cobb test (T441 om-84)

#### ISO 14644-1

Clean Room ISO Class 5

#### Proprietary technology

This product's unique combination of sag resistance and sound performance results from proprietary technology.

#### Cleaning recommendations

To clean panel, use a clean, white cloth with water or a mild detergent and wipe surface. To disinfect panel, lightly spray surface and wipe clean with a clean, white cloth. Acceptable colorless disinfectants include:

- Hydrogen peroxide
- Isopropyl alcohol
- Quaternary ammonium
- Sodium hypochlorite

#### Footnotes

1. Not all panel sizes available in all geographic areas
2. Some imperial sizes available to order
3. Acoustic Test Standards NRC to ASTM C423 CAC to ASTM E1414
4. LR values are shown as averages
5. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould / mildew
6. Clean Room™ performance combined with an anti-microbial formula designed to adhere to Australian Government Guidelines for Certification of Physical Containment Facilities. The kill rate for the following microorganisms that land on the surface of the tile is 99% in less than 24 hours. (tested to JIS Z2801): E-coli, Staphylococcus Aureus, Klebsiella Pneumoniae, S.aureus MRSA, Acinebacter Baumanii, Canadida Albicans, Streptococcus Pnuemoniae, Bacillus Cereus7, Aspergillus Niger7. Testing completed by 3rd party in laboratory conditions.

### REACTION TO FIRE

Standard	Flame Spread	Smoke Developed
ASTM E84	<25	<50
AS/NZS 3837	Group Number Classification: 1 unspinklered	
ISO 5660 Parts 1 & 2	Group Number Classification: 1 - S	

SALES ENQUIRIES **1800 226 215 (AU)**

**0800 USGBORAL (NZ)**



See USGBoral.com for Ceiling Systems warranty.

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