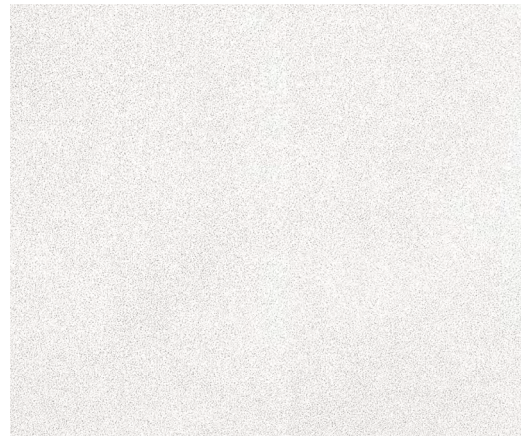


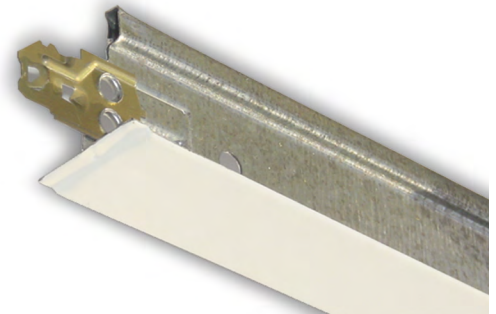
## Climaplus™ Performance

# MARS™ ACOUSTICAL PANELS WITH CLEAN ROOM™



### 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™ has sealed back and edges meeting ISO Class 5 (Class 100) requirements
- Mars™ Clean Room™ exceeds JIS Z 2801 standard for anti-microbial performance, 3rd party certified<sup>6</sup>
- Mars™ Clean Room™ meets the requirement for PC1 and PC2 physical containment facilities
- Washable and scrubbable finish - impact and scratch resistant



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



### Applications

- Offices and conference rooms
- Data centre rooms, computer rooms
- Healthcare
- Classrooms
- Clean Rooms
- Dining rooms, kitchens and food prep areas

**Substrate**

- Wet-formed mineral fibre

**Mars™ Clean Room Panels (ISO 5)**

Edge	Panel Size <sup>1</sup>	Item No.	NRC <sup>1</sup>	CAC <sup>1</sup> Min.	LR <sup>2</sup>	Colour	Grid	VOC Emissions	Anti-Mould & Mildew <sup>3</sup>	Recycled Content
	1200 x 600 x 19mm	ME88189CR	0.75	35	0.90	White	A	Low		69%

**Legend**

 **Low Emission (VOC Class)**


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


 **ClimaPlus™ Superior Performance**

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

 **Recycled Content**

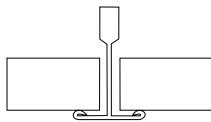
Total recycled content is based on product composition of post-consumer and pre-consumer (postindustrial) recycled content. ISO 14021:2016

 >\_0.70 NRC

 >\_0.70 NRC

**Grid Profile Options**

DX® Available with high performance antimicrobial coating



**Antimicrobial**

**Clean Room™** performance combined with an antimicrobial formula designed to adhere to your ceiling design. 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 Baumannii, Canadida Albicans, Streptococcus Pnuemoniae, Bacillus Cereus 7, Aspergillus Niger 7. Testing completed by 3rd party in laboratory conditions.

**Short Specification**

- Ceiling system shall comprise Knauf Mars™ Clean Room™ ClimaPlus™ acoustical ceiling panels DONN® DX™ 24mm exposed grid including wall trim as manufactured by Knauf
- DONN Finline® 15mm, Clean Room™ CE™ 38mm exposed grid including wall trim as manufactured by Knauf
- Panels shall have NRC 0.75
- Panels shall have CAC 35 minimum
- Nominal size (600mm x 1200mm) x 19mm
- Edge detail shall be 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

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

**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

**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

**Footnotes**

<sup>1</sup> Not available in all geographic areas

<sup>2</sup> Acoustic Test Standards  
NRC to ASTM C423  
CAC to ASTM E1414

<sup>3</sup> LR values are shown as averages

<sup>4</sup> Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould / mildew

<sup>5</sup> Clean Room™ performance combined with an antimicrobial 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 Cereus<sup>7</sup>, Aspergillus Niger<sup>7</sup>. 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 unsprinklered	
ISO 5660 Parts 1 & 2	Group Number Classification: 1 - S	

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Knauf Gypsum Pty Ltd – ABN 84 004 231 976 17/47 Turner Street, Port Melbourne, VIC 3207.

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