

MARS™ CLEAN ROOM

ACOUSTIC CEILING TILES



Medium textured panel

FEATURES AND BENEFITS

- Excellent noise reduction (NRC 0.75)
- High light reflective finish (LR 0.90) reduces light fixtures and energy use
- Non-directional, monolithic visual reduces installation time and waste
- Climaplustm performance to withstand conditions up to 49°C / RH99% (relative humidity) without visible sag
- Sealed back and edges meeting ISO 5 (Class 100) clean room requirements
- Anti-microbial performance for medical and healthcare applications
- Combine with RONDO DONN® Healthcare Grid system for additional anti-microbial performance.
- High level of recycled content (69%)

PERFORMANCE DETAILS

FIRE RESISTANCE

Group 1 classification.

CLEANROOM™ 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 third party in laboratory conditions.

LOW EMISSION (VOC CLASS)

USG Ceiling Tiles have been independently tested to confirm compliance with Green Star specification limits for VOCs and formaldehyde. Reports available upon request.

INSTALLATION, SAFETY AND FIRST AID

Follow good safety and industrial hygiene practices during installation. Wear appropriate personal protective equipment. For detailed safety information, including handling, storage and first aid guidance please visit the relevant product page on knauf.com/en-au/p/products to access the safety data sheet and additional resources.

FEATURE	SPECIFICATION
Nominal Panel Size	600 mm x 1200 mm x 19 mm
Edge Profile	Square Edge (SQ)
Surface finish	Medium textured panel
Substrate	Water felted mineral fibre
Nominal Mass	5.0 - 5.3 kg/m²
Fire Hazard Properties	Group 1 classification conforming to NCC 2022 Volume One Specification 7, Clause S7C4, determined in accordance with AS 5637.1:2015 Group 1-S classification conforming to NZBC Verification method C/VM2, Amendment 7, Appendix A
Thermal Resistance	R-0.39
NRC (Sound absorption)	0.75
CAC Minimum (Sound containment)	35
Recycled Content	Recycled content calculated as per ISO14021. Total recycled content is 69%.
VOC	Low
Applications	• Offices • Data centre and computer rooms • Healthcare • Classrooms • Conference rooms • Clean Rooms

MARS™ CLEAN ROOM

PRODUCT DATASHEET

MARS CLEAN ROOM PANELS

Edge	Panel Size (mm)	Fire Resistance	Knauf Item Code	NRC	CAC	LR*	Colour	Grid Options	VOC^	Anti-Mould & Mildew	Recycled Content
SQ	600 x 1200 x 19	Group 1	00820305	0.75	35	0.90	White	A, C	Low		69 %

LEGEND



Low Emission (VOC Class)^
USG Ceiling Tiles have been independently tested to confirm compliance with Green Star specification limits for VOCs and formaldehyde. Reports available upon request.



NRC (sound absorption)
Noise Reduction Coefficient (NRC).



CAC (sound containment)
Ceiling Attenuation Class (CAC).



Light Reflectance (LR)*
Light Reflectance (LR) values are shown as averages.



ClimaPlus™ Superior Performance
Contains a broad-spectrum antifungal additive on the face and back of the panel that provides resistance against the growth of mould and mildew.



Fire Resistance

- Group 1 classification conforming to NCC 2022 Volume One Specification 7, Clause S7C4, determined in accordance with AS 5637.1:2015
- Group 1-S classification conforming to NZBC Verification method C/VM2, Amendment 7, Appendix A

GRID PROFILE

Grid Type	A	B	C
Grid System	RONDO DONN® 24 mm Grid System	RONDO DONN® 15 mm Grid System	RONDO DONN® Exposed Healthcare 24 mm Grid System (with anti-microbial coating)
Grid Components	DX1, DX2, DX3, DX4 	DC1, DC2 	DXHS, DXHM, WAHC 

SHORT SPECIFICATION

- Ceiling system shall comprise USG Mars Cleanroom high humidity resistant acoustical ceiling panels in RONDO DONN Exposed (24mm or Healthcare with anti-microbial) Grid System including wall trim
- Panels shall have NRC 0.75
- Panels shall have CAC 35
- Nominal size 600mm x 1200mm x 19mm
- Edge detail is Square Edge (SQ)
- Limiting conditions - maximum 49°C / RH99% (relative humidity)

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