

CLEAN ROOM™ CLIMAPLUS™



Clean Room Class 10M-100M Panels with ClimaPlus Performance / DONN Brand DX 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 a DONN® Brand suspension system.

APPLICATIONS

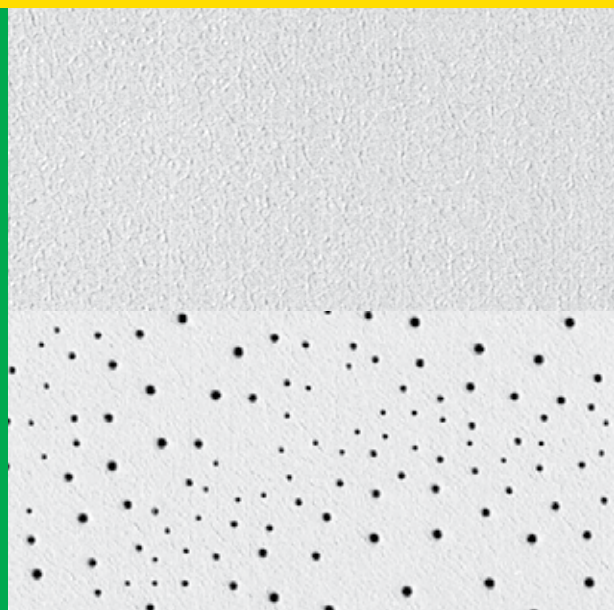
- Clean rooms
- Hospitals
- Surgical areas
- Laboratories
- Kitchens/food preparation areas

SUBSTRATE

- Water-felted mineral fiber

 High Recycled Content

Smooth-textured panel, Class 100
Smooth-textured panel, Class 10M-100M



CLEAN ROOM CLIMAPLUS
CLASS 100 PANELS
ISO 5

CLEAN ROOM CLIMAPLUS
CLASS 10M-100M PANELS⁵
ISO 7/8

Edge ⁴	Panel Size ⁷	Class ⁹	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Recycled Content ¹
SQ	2' x 2' x 5/8" 600 x 600 x 15mm unperforated		56099 ME56099	-	35	.79	White	A, B,	Low	52%
	2' x 4' x 5/8" 600 x 1200 x 15mm unperforated		56091 ME56091	-	35	.79	White	A, B,	Low	52%
SQ	2' x 2' x 5/8" 600 x 600 x 15mm perforated		56060 ME56060	.55	35	.79	White	A, B,	Low	52%
	2' x 4' x 5/8" 600 x 1200 x 15mm perforated		56090 ME56090	.55	35	.79	White	A, B,	Low	52%

LEGEND

Low Emission (VOC Class)

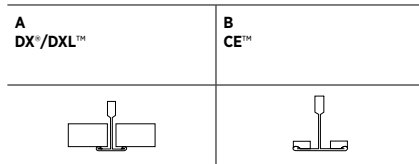
Low-Emitting performance meets CA Specification 01350 (CA Dept. of Health Services Standard Practice for the testing of VOC emissions) and is listed on CHPS data base for low-emitting materials.

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[®]

GRID PROFILE
OPTIONS



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"] / ZOLA 24mm [15/16"] / AX 24mm [15/16"]) exposed grid including wall trim as manufactured by USG Boral.
- 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

PHYSICAL DATA/
FOOTNOTES

Weight
5.4 kg/m²

Environmental Limitations
49° C, 99% RH max.

Thermal Resistance
R 0.3m² C/W

Maximum Backloading
0 kg/m²

Maintenance
Can be cleaned easily with a soft brush or vacuum.

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

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.

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. Not intended for kitchen/food-prep applications. Use unperforated product (Class 100) Item numbers 56099 and 56091.

Reaction to Fire

Standard	Flame Spread	Smoke Developed
ASTM E84	<25	<50
AS/NZS 3837	Group 1 - sprinklered	
ISO 5650 Parts 1 & 2	Group Number Classification: 1 - 5	

Australia: 1800 226 215

New Zealand: 0800 USGBORAL



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Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

