



Clean Room™ *ClimaPlus™*

Class 100: White vinyl impervious surface



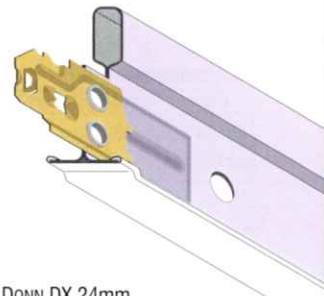
Class 10M-100M: Perforated white, vinyl surface



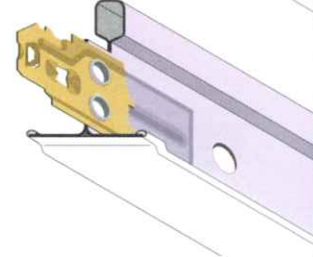
- Advantages**
- An acoustical mineral fibre panel faced with white, vinyl laminated surface.
 - Special edge and back coatings control airborne particles to meet stringent clean air standards.
 - Formulated to resist high temperature and high humidity.
 - USG's grid and acoustical panel systems are covered by a Lifetime Warranty*.

- Applications**
- Hospitals
 - Computer Rooms
 - Laboratories
 - Food Preparation Areas
 - Restaurants
 - Kitchens
 - Washrooms
 - Nursing Homes

- Grid Options**
- DONN Centricitee 15mm



- DONN DX 24mm



CLEAN ROOM Class 100 Panels/DONN® Brand DX® Suspension System

Clean Room[™] ClimaPlus[™]

Acoustical Ceilings

CR/1-02



UL Classified

	Edge Detail	Panel Size	Class ³	Item No.	NRC ¹ Range	CAC ¹ Range	Grid Options	Recycled Content	
CLEAN ROOM [™] Class 100 Unperforated Panels	(SQ)	600 x 600 x 15mm		ME56099	—	35 - 39	A, B	63%	
		1200 x 600 x 15mm		ME56091	—	35 - 39	A, B	63%	
CLEAN ROOM [™] Class 10M - 100M Perforated Panels	(SQ)	600 x 600 x 15mm		ME56060	.55 - .65	35 - 39	A, B	63%	
		1200 x 600 x 15mm		ME56090	.55 - .65	35 - 39	A, B	63%	
A DONN DX		B DONN CENTRICITEE		Creating an Air Flow Barrier					
Grid Options									

Special Features:

- CLEAN ROOM Class 100 has an impervious white vinyl surface.
- CLEAN ROOM Class 10M-100M has a perforated, white vinyl surface.
- High density, Firecode formulation.

- Freeze-thaw resistance: tested by 10 repeated cycles of 16 hours freezing at -34°C and 8 hours thaw with no delamination.
- Both meet Federal Standard 209E "Clean Room and Work Station Requirements, Controlled Environment".

Installation: Shall not commence until the building is fully enclosed, watertight, dry, all wet trades (terrazzo, plaster) completed and free of chemical fumes. Do not mix production lots in same ceiling. Environmental conditions are not to exceed 40°C (104°F) and 95% relative humidity.

Light Fixtures and Fittings: Shall be independently supported, or load transferred to the grid. Ensure grid point loads are within limitations per Loading Brochure TLD/10-01.

Wind Uplift: Use clips to secure panels in regions of high wind conditions.

Seismic: Contact your regional USG Ceiling System Specialist.

Workability: Easily cut with standard trimming knife. Reseal cut edges.

Handling and Storage: Store flat in a dry location. Handle with care avoiding damage to corners and edges. Do not store on edge or ends. Protect when freighting.

Cleaning: Easily cleaned with a damp cloth or sponge (not hosed or similar).

Short Specification

- Ceiling system shall comprise **USG Clean Room ClimaPlus (Class 100 / Class 10M-100M)** high humidity / fire resistant acoustical ceiling panels in (DONN Centricitee 15mm face / DONN DX 24mm face) exposed grid including wall trim as manufactured by USG Interiors.
- Class 10M-100M Panels shall have NRC .55-.65.
- Panels shall have CAC 35 - 39.

- Nominal size (600mm x 600mm / 1200mm x 600mm) x 15mm.
- Edge detail shall be Square [SQ].
- Limiting Conditions - Maximum 40°C (104°F) and 95% RH.

Technical Data

Weight 5.4 kg/m ²	Recommended Suspension DONN Centricitee or DONN DX
Conditions Maximum 40°C, 95% R.H.	Light Reflectance (ASTM C523) LR - 1 (actual .79)
Backloading None	Thermal Resistance (ASTM C177 - 82) R 0.33m ² /C/W

Footnotes

- Acoustic Test Standards:** NRC to ASTM C423
CAC to ASTM E1414.
- Works Consultancy Report** No. 93-27902.84 - full copy available on request.
- Firecode formulation.

Safety First!

Follow good safety and industrial hygiene practices during handling and installing of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

Colours:

Clean Room products available in white only.

Fire Performance

Index	Ignitability	Spread of Flame	Heat Evolved	Smoke Developed
AS1530 3 ²	15	0	0	3
ASTM E84	-	25	-	45

Distributor



*Warranty covers USG acoustical ceiling panel and USG DONN Brand grid systems against defects in material or manufacturing workmanship for the useful life of the ceiling system, up to a maximum of 30 years. See your regional USG Ceiling Systems Specialist for full warranty details.