



CLEAN ROOM Class 10M-100M Panels with *CLIMAPLUS* Performance /  
DONN Brand DXLA 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 104 °F (40 °C)/95% relative humidity without visible sag when used with DONN® Brand suspension system.

#### Applications

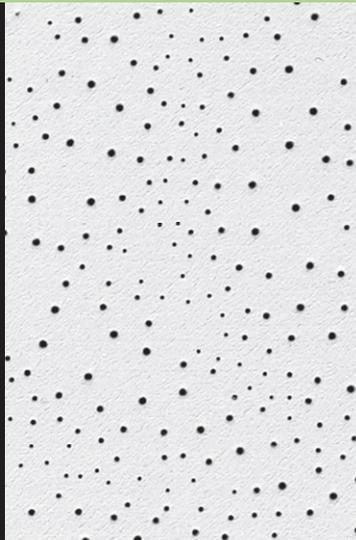
- Hospitals
- Computer Rooms
- Laboratories
- Food Preparation Area
- Restaurants
- Sterile rooms
- Kitchens
- Washrooms
- Up to Class 10 Classrooms

#### Substrate

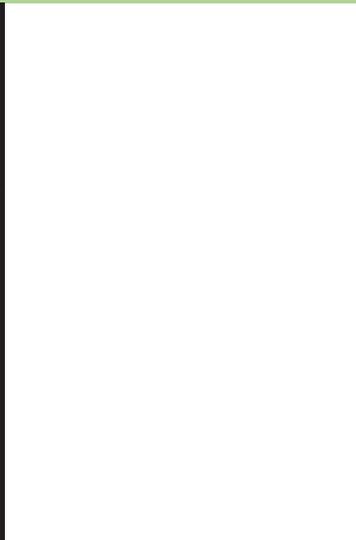
- Water-felted mineral fiber

For detailed sustainability information see LEED report tool at [usgdesignstudio.com](http://usgdesignstudio.com).

Smooth-textured panel, Class 100



Smooth-textured panel, Class 10M-100M



**30**

Year System Warranty  
 - No Visible sag

	Edge	Panel Size <sup>7</sup>	Class	Item No.	NRC <sup>2</sup>	CAC Min.	LR <sup>3</sup>	Color	Grid Options	Recycled Content <sup>1</sup>
CLEAN ROOM <i>CLIMAPLUS</i> Class 100 Panels	SQ 	2' x 2' x 5/8" 600 x 600 x 15mm unperforated		56099 ME56099	—	35	.79	White	A, B, C, D, E	50.5%
		2' x 4' x 5/8" 600 x 1200 x 15mm unperforated		56091 ME56091	—	35	.79	White	A, B, C, D, E	50.5%
CLEAN ROOM <i>CLIMAPLUS</i> Class 10M-100M Panels <sup>6</sup>	SQ 	2' x 2' x 5/8" 600 x 600 x 15mm perforated		56060 ME56060	.55	35	.79	White	A, B, C, D, E	50.5%
		2' x 4' x 5/8" 600 x 1200 x 15mm perforated		56090 ME56090	.55	35	.79	White	A, B, C, D, E, G	50.5%

**Legend**

**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 per FTC guidelines.

A DX® / DXL™	B DXLA™	C ZXLA™	D <sup>8</sup> AX™	E CE™ <sup>5</sup>	F DXLA™ / DXACE™	G AX™ / AXCE™

**Grid Profile Options<sup>4</sup>**

**Physical Data/  
Footnotes**

**ASTM E 1264 Classification**  
 Class 100: Type X, Pattern GI  
 Class 10-100M: Type X, Pattern CGI

**ASTM E84 surface burning characteristics**  
 Class A  
 Flame spread: 25  
 Smoke developed: 50

**Imperial Weight**  
 1.1 lb./ ft<sup>2</sup> (Class 100™ panel)  
 1.2 lb./ ft<sup>2</sup> (Class 10m-100m panels)

**Metric Weight**  
 5.37 kg/m<sup>2</sup> (Class 100 panels)  
 5.86 kg/m<sup>2</sup> (Class 10M-100M panels)

**Thermal Resistance**  
 R-1.60

**Backloading**  
 Refer to Installation and Maintenance

**Maintenance**  
 Can be cleaned easily with a damp sponge, mild detergent and water. Do not use acetate, ammonia, or highly concentrated chlorine, bromide or other harsh chemicals.

**Footnotes**  
 1. For details, see LEED report tool at usgdesignstudio.com.  
 2. NRC rating CLEAN ROOM *CLIMAPLUS* Class 100 panels is .10. USG does not consider a ceiling panel to be acoustically rated if NRC is less than .50  
 3. LR values are shown as averages.

4. Field-cut edges of CLEAN ROOM panels may be sealed with white latex paint.

5. Clean-room-rated applications require a suspension system with gasketed tee flanges such as DONN CE.  
 6. Not intended for kitchen/food prep applications. Use unperforated product (Class100) - Item numbers 56099 and 56091.

7. Not all panel sizes available in all geographic areas, some metric sizes available to order.

8. Not all grids shown should be used with the fire resistant panels; for fire rated assemblies, see UL design details.

**Short Specification:**

- \* Ceiling system shall comprise USG CLEAN ROOM™ *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"] / ZXLA 24mm [15/16"] / AX 24mm [15/16"] ) exposed grid including wall trim as manufactured by USG Interiors, LLC.
- \* Panels shall have NRC 0.55 ( CLEAN ROOM™ *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 40°C (104°F) and 95% RH