

USG MARS™ HEALTHCARE ACOUSTICAL PANELS

CLIMAPLUS™ PERFORMANCE
WITH CLEAN ROOM, HIGH-NRC AND AIRCARE™ COATING OPTIONS

USG Mars™ Healthcare
Acoustical Panels with ClimaPlus™
Performance/USG Donn® Brand DX®/
DXL™ Acoustical Suspension System

Photo this page:
Chinook Regional Hospital
Architect: Perkins + Will / KRA / Group2 / Stuart Olson
Photo: © Andrew Latreille

TO ORDER SAMPLES,
GO TO USG.COM OR CGCINC.COM



White
050

FEATURES AND BENEFITS

- Water-repellent membrane designed to be durable and safe with common disinfectants.**
- Washable and soil-resistant finish. Impact and scratch resistant.
- Acoustics and cleanability exceed FGI guidelines for healthcare.
- Meets USDA/FSIS guidelines for use in food-processing areas.
- Achieves FDA standards for smoothness, durability and cleanability.
- Clean Room tested to ISO 5 (Class 100) (Items 86169CR, 88189CR, 86684CR, 88683CR).
- ClimaPlus™ 30-year limited system warranty against visible sag, mold and mildew.
- AirCare™ coating applied to face and back reduces 75% of formaldehyde over a 10-year period.⁴
- GREENGUARD Gold certified for low emitting performance.
- Balanced Acoustics. High-NRC and High-CAC provide excellent sound control that assist in addressing HIPAA standards.
- USG Mars™ Healthcare Acoustical Panels is part of the Ecoblueprint™ portfolio — meeting today's sustainability standards. For sustainability documentation go to USG.com or CGCInc.com.

APPLICATIONS

- Kitchen and food-prep areas
- Lavatories and restrooms
- Laboratories and Clean Rooms
- Nurses' stations/ waiting rooms
- Treatment/patient rooms

SUBSTRATE

- Wet-formed mineral fiber

Fine-Textured Panel

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

















































PRODUCT CERTIFIED
FOR LOW CHEMICAL
EMISSIONS:
ULCOM/GG
UL 2818

30 YEAR LIMITED SYSTEM
WARRANTY
• No Visible Sag
• Mold/Mildew Protection



UL Classified

Edge	Panel Size	Fire Rating	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew/Sag Resistance	Recycled Content ¹	Panel Cost
												
SQ 	2'x2'x7/8"	Class A	86256	0.85	35	0.90	White	A,B,C,D,E,F	Low		70%	\$
	2'x4'x7/8"	Class A	88256	0.85	35	0.90	White	A,B,D,E,F	Low		70%	\$
SLT 	2'x2'x7/8"	Class A	86257	0.85	35	0.90	White	G,H,I,J	Low		70%	\$
FLB 	2'x2'x7/8"	Class A	86258	0.85	35	0.90	White	K,L,M,N	Low		70%	\$
SQ 	2'x2'x1"	Class A	86115	0.80	40	0.90	White	A,B,C,D,E,F	Low		71%	\$
	2'x4'x1"	Class A	88115	0.80	40	0.90	White	A,B,D,E,F	Low		71%	\$
SLT 	2'x2'x1"	Class A	86343	0.80	40	0.90	White	G,H,I,J	Low		71%	\$
	2'x4'x1"	Class A	88343	0.80	40	0.90	White	G,H,I,J	Low		71%	\$
FLB 	2'x2'x1"	Class A	86344	0.80	40	0.90	White	K,L,M,N	Low		71%	\$
	2'x4'x1"	Class A	88344	0.80	40	0.90	White	K,L,M,N	Low		71%	\$
SQ 	2'x2'x7/8"	Class A	86152	0.80	35	0.90	White	A,B,C,D,E,F	Low		70%	\$
	2'x4'x7/8"	Class A	86340	0.80	35	0.90	White	A,B,D,E,F	Low		70%	\$
SLT 	2'x2'x7/8"	Class A	86470	0.80	35	0.90	White	G,H,I,J	Low		70%	\$
FLB 	2'x2'x7/8"	Class A	86750	0.80	35	0.90	White	K,L,M,N	Low		70%	\$
SQ 	2'x2'x3/4"	Class A	86169	0.75	35	0.90	White	A,B,C,D,E,F	Low		69%	\$
	2'x4'x3/4"	Class A	88189	0.75	35	0.90	White	A,B,D,E,F	Low		69%	\$
SLT 	2'x2'x3/4"	Class A	86684	0.75	35	0.90	White	G,H,I,J	Low		69%	\$
	2'x4'x3/4"	Class A	88683	0.75	35	0.90	White	G,H,I,J	Low		69%	\$
FLB 	2'x2'x3/4"	Class A	86984	0.75	35	0.90	White	K,L,M,N	Low		69%	\$
	2'x4'x3/4"	Class A	88983	0.75	35	0.90	White	K,L,M,N	Low		69%	\$
SQ 	2'x2'x3/4"	Class A	86270	0.60	40	0.90	White	A,B,C,D,E,F	Low		71%	\$
	2'x4'x3/4"	Class A	88271	0.60	40	0.90	White	A,B,D,E,F	Low		71%	\$
SLT 	2'x2'x3/4"	Class A	86272	0.60	40	0.90	White	G,H,I,J	Low		71%	\$
FLB 	2'x2'x3/4"	Class A	86273	0.60	40	0.90	White	K,L,M,N	Low		71%	\$
	2'x4'x3/4"	Class A	88273	0.60	40	0.90	White	K,L,M,N	Low		71%	\$

Low Emissions (VOC)

Third party (GREENGUARD Gold) certified for low-emitting performance, meets California Department of Public Health's (CDPH) Standard Method v1.2 - 2017 (CA Section 01350). 'Certificates of Compliance' for Low VOC Emissions are available on usg.com and at spot.ul.com.

ClimaPlus™ Warranty Performance⁵

Contains a broad-spectrum antimicrobial additive on the face and back of the panel that provides resistance against the growth of mold and mildew. Includes sag-resistance performance.

High Recycled Content

USG classifies High Recycled Content as greater than 50%. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

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30 YEAR LIMITED SYSTEM
WARRANTY
• No Visible Sag
• Mold/Mildew Protection



USG MARS™ HEALTHCARE WITH AIRCARE™ COATING⁴ 75/35

USG MARS™ HEALTHCARE CLEAN ROOM PANELS 75/35

UL Classified												
Edge	Panel Size	Fire Rating	Item No.	NRC	CAC Min.	LR ²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew/Sag Resistance	Recycled Content ¹	Panel Cost
SQ 	2'x2'x3/4"	Class A	86169AIR	0.75	35	0.90	White	A,B,C,D,E,F	Low		69%	\$\$
	2'x4'x3/4"	Class A	88189AIR	0.75	35	0.90	White	A,B,D,E,F	Low		69%	\$\$
SLT 	2'x2'x3/4"	Class A	86684AIR	0.75	35	0.90	White	G,H,I,J	Low		69%	\$\$
	2'x4'x3/4"	Class A	88683AIR	0.75	35	0.90	White	G,H,I,J	Low		69%	\$\$
FLB 	2'x2'x3/4"	Class A	86984AIR	0.75	35	0.90	White	K,L,M,N	Low		69%	\$\$
	2'x4'x3/4"	Class A	88983AIR	0.75	35	0.90	White	K,L,M,N	Low		69%	\$\$
SQ 	2'x2'x3/4"	Class A	86169CR	0.75	35	0.90	White	O	Low		68%	\$\$
	2'x4'x3/4"	Class A	88189CR	0.75	35	0.90	White	O	Low		68%	\$\$
SLT 	2'x2'x3/4"	Class A	86684CR	0.75	35	0.90	White	P	Low		68%	\$\$
	2'x4'x3/4"	Class A	88683CR	0.75	35	0.90	White	P	Low		68%	\$\$

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ClimaPlus™ Warranty Performance³

Contains a broad-spectrum antimicrobial additive on the face and back of the panel that provides resistance against the growth of mold and mildew. Includes sag-resistance performance.

High Recycled Content

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EMISSIONS:
ULCOM/GG
UL 2818



GRID PROFILE OPTIONS

A USG DX®	B USG DXW™	C ⁵ USG Centricitee™ DXT™	D USG DXLA™
E USG ZXLA™	F USG AX™	G USG DX®	H USG DXLA™
I USG ZXLA™	J USG AX™	K USG Centricitee™ DXT™	L USG Fineline® DXF™
M USG Fineline® 1/8 DXFF™	N USG Identitee® DXI™	O USG CE™	P USG DXCE™

PHYSICAL DATA/ FOOTNOTES

Product literature
Data sheet: SC2585

ASTM E1264 classification

ASTM E1264-22 Type IV, Form 1 & 2, Pattern E & G
ASTM E1264-23 Type A, Form A2.1, Pattern E & G

ASTM E84 and CAN/ULC S102 surface-burning characteristics Class A

Flame spread: 25 or less
Smoke developed: 50 or less

Weight

1.03-1.24 lb./sq. ft.

Thermal resistance

R-2.2

Maximum backloading

See *USG 30-Year Limited System Warranty Commercial Applications* (SC2102).

Online tools

usgdesignstudio.com or cgcdesignstudio.com

ASTM D2486 scrubability test (standard test)

ASTM D4828 washability test (modified test)

Water repellency

Cobb method (Tappi T441 om-84) Water Drop Test

**Maintenance

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

Do not mix cleaners. Follow cleaner manufacturer's recommendations.

USG Mars™ Healthcare Clean Room

- Field-cut edges of USG Mars™ Healthcare Clean Room panels may be sealed with white latex paint. Use square edge panels for all lay-in field-cut perimeter panels.

- Clean Room-rated applications require a suspension system with gasketed tee flanges such as USG Donn® Brand CE™.

- Tested to ISO Class 5 particle emissions, per ISO 14644, by UL Environment. Rating may decrease to ISO Class 7 or greater with airflow above 1 ACH, pressure fluctuations, or vibrations in the ceiling system.

- For more information, please reference test report from UL Environment.

Metric sizes available

Contact sales for minimum quantities and lead times.

Footnotes

1. For details, see USG Sustainability tool at usgdesignstudio.com or cgcdesignstudio.com.
2. LR values are shown as averages.
3. Panel face and back surfaces treated with a proprietary broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mold and mildew. For details, see *USG 30-Year Limited System Warranty Commercial Applications* (SC2102).
4. AirCare™ coating removes formaldehyde by an average of 75% over 10 years at an average indoor concentration of 13 ppb.
5. Maximum 2'x2' with SQ edge panels.
6. All USG Mars™ High NRC Acoustical Panels with a "plant-based binder" label contain up to 65% plant-based material in the binder. For more information please refer to the USG Mars™ Acoustical Panels Health Product Declaration, available at www.usg.com

Notice

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SC2585/rev. 10-23

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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.

