

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:
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Architects: Perkins+Will/KRA/Group2

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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ECOBLEPRINT



PRODUCT CERTIFIED
FOR LOW CHEMICAL
EMISSIONS:
ULCOM/GG
UL2818



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		
USG MARS™ HEALTHCARE HIGH-NRC PANELS 85/35 Plant-Based Binder ⁶	SQ	2'x2'x7/8"	Class A	86256	0.85	35	0.90	White	A,B,C,D,E,F	Low		68%	\$\$	
		2'x4'x7/8"	Class A	88256	0.85	35	0.90	White	A,B,D,E,F	Low		68%	\$\$	
	SLT	2'x2'x7/8"	Class A	86257	0.85	35	0.90	White	G,H,I,J	Low		68%	\$\$	
	FLB	2'x2'x7/8"	Class A	86258	0.85	35	0.90	White	K,L,M,N	Low		68%	\$\$	
USG MARS™ HEALTHCARE HIGH-NRC/ HIGH-CAC PANELS 80/40 Plant-Based Binder ⁶	SQ	2'x2'x1"	Class A	86115	0.80	40	0.90	White	A,B,C,D,E,F	Low		69%	\$\$	
		2'x4'x1"	Class A	88115	0.80	40	0.90	White	A,B,D,E,F	Low		69%	\$\$	
		SLT	2'x2'x1"	Class A	86343	0.80	40	0.90	White	G,H,I,J	Low		69%	\$\$
			2'x4'x1"	Class A	88343	0.80	40	0.90	White	G,H,I,J	Low		69%	\$\$
		FLB	2'x2'x1"	Class A	86344	0.80	40	0.90	White	K,L,M,N	Low		69%	\$\$
			2'x4'x1"	Class A	88344	0.80	40	0.90	White	K,L,M,N	Low		69%	\$\$
USG MARS™ HEALTHCARE HIGH-NRC PANELS 80/35 Plant-Based Binder ⁶	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%	\$\$
USG MARS™ HEALTHCARE PANELS 75/35	SQ	2'x2'x3/4"	Class A	86169	0.75	35	0.90	White	A,B,C,D,E,F	Low		68%	\$\$	
		2'x4'x3/4"	Class A	88189	0.75	35	0.90	White	A,B,D,E,F	Low		68%	\$\$	
		SLT	2'x2'x3/4"	Class A	86684	0.75	35	0.90	White	G,H,I,J	Low		68%	\$\$
			2'x4'x3/4"	Class A	88683	0.75	35	0.90	White	G,H,I,J	Low		68%	\$\$
		FLB	2'x2'x3/4"	Class A	86984	0.75	35	0.90	White	K,L,M,N	Low		68%	\$\$
			2'x4'x3/4"	Class A	88983	0.75	35	0.90	White	K,L,M,N	Low		68%	\$\$
USG MARS™ HEALTHCARE HIGH-CAC PANELS 60/40	SQ	2'x2'x3/4"	Class A	86270	0.60	40	0.90	White	A,B,C,D,E,F	Low		70%	\$\$	
		2'x4'x3/4"	Class A	88271	0.60	40	0.90	White	A,B,D,E,F	Low		70%	\$\$	
		SLT	2'x2'x3/4"	Class A	86272	0.60	40	0.90	White	G,H,I,J	Low		70%	\$\$
		FLB	2'x2'x3/4"	Class A	86273	0.60	40	0.90	White	K,L,M,N	Low		70%	\$\$
			2'x4'x3/4"	Class A	88273	0.60	40	0.90	White	K,L,M,N	Low		70%	\$\$

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 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
Classified as containing greater than 50% total recycled content. Total recycled content is based on product composition of postconsumer and preconsumer (postindustrial) recycled content per FTC guidelines.

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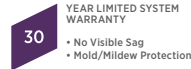
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SQ 	2'x2'x3/4"	Class A	86169AIR	0.75	35	0.90	White	A,B,C,D,E,F	Low		68%	\$\$
	2'x4'x3/4"	Class A	88189AIR	0.75	35	0.90	White	A,B,D,E,F	Low		68%	\$\$
SLT 	2'x2'x3/4"	Class A	86684AIR	0.75	35	0.90	White	G,H,I,J	Low		68%	\$\$
	2'x4'x3/4"	Class A	88683AIR	0.75	35	0.90	White	G,H,I,J	Low		68%	\$\$
FLB 	2'x2'x3/4"	Class A	86984AIR	0.75	35	0.90	White	K,L,M,N	Low		68%	\$\$
	2'x4'x3/4"	Class A	88983AIR	0.75	35	0.90	White	K,L,M,N	Low		68%	\$\$
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	O	Low		68%	\$\$
	2'x4'x3/4"	Class A	88683CR	0.75	35	0.90	White	O	Low		68%	\$\$

USG MARS™ HEALTHCARE
WITH AIRCARE™ COATING⁴
75/35

USG MARS™ HEALTHCARE
CLEAN ROOM PANELS
75/35

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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™

PHYSICAL DATA/ FOOTNOTES

Product literature
Data sheet: SC2585

ASTM E1264 classification
Type IV, Form 1 and 2, 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

- For details, see USG Sustainability tool at usgdesignstudio.com or cgcdesignstudio.com.
- LR values are shown as averages.
- 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).
- AirCare™ coating removes formaldehyde by an average of 75% over 10 years at an average indoor concentration of 13 ppb.
- Maximum 2x2' with SQ edge panels.
- 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. 8-21
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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.

