

# 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  
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TO ORDER SAMPLES,  
GO TO [USG.COM](http://USG.COM) OR [CGCINC.COM](http://CGCINC.COM)



Flat White  
050

## FEATURES AND BENEFITS

- Balanced acoustics. High-NRC and High-CAC provide excellent sound control that assist in addressing HIPAA standards.
- 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.<sup>4</sup>
- GREENGUARD Gold certified for low emitting performance.
- USG Mars™ Healthcare Acoustical Panels are part of the Ecoblueprint™ portfolio — meeting today's sustainability standards. For sustainability documentation go to [USG.com](http://USG.com) or [CGCInc.com](http://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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800.USG.4YOU (874-4968)



PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818



UL Classified

## USG MARS™ HEALTHCARE HIGH-NRC PANELS 85/35

Plant-Based Binder<sup>6</sup>

## USG MARS™ HEALTHCARE HIGH-NRC/ HIGH-CAC PANELS 80/40

Plant-Based Binder<sup>6</sup>

## USG MARS™ HEALTHCARE HIGH-NRC PANELS 80/35

Plant-Based Binder<sup>6</sup>

## USG MARS™ HEALTHCARE PANELS 75/35

## USG MARS™ HEALTHCARE HIGH-CAC PANELS 60/40

Edge	Panel Size	Fire Class	Item No.	NRC	CAC Min.	LR <sup>2</sup>	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew/Sag Resistance	Recycled Content <sup>1</sup>	Panel Cost
SQ	2'x2'x7/8"	Class A	86256	0.85	35	0.90	White	A,B,C,D,E,F	Low		74%	\$\$
	2'x4'x7/8"	Class A	88256	0.85	35	0.90	White	A,B,D,E,F	Low		74%	\$\$
SLT	2'x2'x7/8"	Class A	86257	0.85	35	0.90	White	G,H,I,J	Low		74%	\$\$
FLB	2'x2'x7/8"	Class A	86258	0.85	35	0.90	White	K,L,M,N	Low		74%	\$\$
SQ	2'x2'x1"	Class A	86115	0.80	40	0.90	White	A,B,C,D,E,F	Low		74%	\$\$
	2'x4'x1"	Class A	88115	0.80	40	0.90	White	A,B,D,E,F	Low		74%	\$\$
SLT	2'x2'x1"	Class A	86343	0.80	40	0.90	White	G,H,I,J	Low		74%	\$\$
	2'x4'x1"	Class A	88343	0.80	40	0.90	White	G,H,I,J	Low		74%	\$\$
FLB	2'x2'x1"	Class A	86344	0.80	40	0.90	White	K,L,M,N	Low		74%	\$\$
	2'x4'x1"	Class A	88344	0.80	40	0.90	White	K,L,M,N	Low		74%	\$\$
SQ	2'x2'x7/8"	Class A	86152	0.80	35	0.90	White	A,B,C,D,E,F	Low		74%	\$\$
	2'x4'x7/8"	Class A	86340	0.80	35	0.90	White	A,B,D,E,F	Low		74%	\$\$
SLT	2'x2'x7/8"	Class A	86470	0.80	35	0.90	White	G,H,I,J	Low		74%	\$\$
FLB	2'x2'x7/8"	Class A	86750	0.80	35	0.90	White	K,L,M,N	Low		74%	\$\$
SQ	2'x2'x3/4"	Class A	86169	0.75	35	0.90	White	A,B,C,D,E,F	Low		73%	\$\$
	2'x4'x3/4"	Class A	88189	0.75	35	0.90	White	A,B,D,E,F	Low		73%	\$\$
SLT	2'x2'x3/4"	Class A	86684	0.75	35	0.90	White	G,H,I,J	Low		73%	\$\$
	2'x4'x3/4"	Class A	88683	0.75	35	0.90	White	G,H,I,J	Low		73%	\$\$
FLB	2'x2'x3/4"	Class A	86984	0.75	35	0.90	White	K,L,M,N	Low		73%	\$\$
	2'x4'x3/4"	Class A	88983	0.75	35	0.90	White	K,L,M,N	Low		73%	\$\$
SQ	2'x2'x3/4"	Class A	86270	0.60	40	0.90	White	A,B,C,D,E,F	Low		77%	\$\$
	2'x4'x3/4"	Class A	88271	0.60	40	0.90	White	A,B,D,E,F	Low		77%	\$\$
SLT	2'x2'x3/4"	Class A	86272	0.60	40	0.90	White	G,H,I,J	Low		77%	\$\$
FLB	2'x2'x3/4"	Class A	86273	0.60	40	0.90	White	K,L,M,N	Low		77%	\$\$
	2'x4'x3/4"	Class A	88273	0.60	40	0.90	White	K,L,M,N	Low		77%	\$\$

**Low Emissions (VOC)**  
Certified for low emitting performance, meets CDPH 01350 v1.2 - 2017. Certificates of Compliance for Low VOC Emissions are available on usg.com and at usg.ecomedes.com.

**ClimaPlus™ Warranty Performance<sup>3</sup>**  
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%. Methodology of calculation based on FTC guidelines..

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UL Classified

Edge	Panel Size	Fire Class	Item No.	NRC	CAC Min.	LR <sup>2</sup>	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew/Sag Resistance	Recycled Content <sup>1</sup>	Panel Cost
SQ 	2'x2'x3/4"	Class A	86169AIR	0.75	35	0.90	White	A,B,C,D,E,F	Low		73%	\$\$
	2'x4'x3/4"	Class A	88189AIR	0.75	35	0.90	White	A,B,D,E,F	Low		73%	\$\$
SLT 	2'x2'x3/4"	Class A	86684AIR	0.75	35	0.90	White	G,H,I,J	Low		73%	\$\$
	2'x4'x3/4"	Class A	86683AIR	0.75	35	0.90	White	G,H,I,J	Low		73%	\$\$
FLB 	2'x2'x3/4"	Class A	86984AIR	0.75	35	0.90	White	K,L,M,N	Low		73%	\$\$
	2'x4'x3/4"	Class A	88983AIR	0.75	35	0.90	White	K,L,M,N	Low		73%	\$\$
SQ 	2'x2'x3/4"	Class A	86169CR	0.75	35	0.90	White	O	Low		73%	\$\$
	2'x4'x3/4"	Class A	88189CR	0.75	35	0.90	White	O	Low		73%	\$\$
SLT 	2'x2'x3/4"	Class A	86684CR	0.75	35	0.90	White	P	Low		73%	\$\$
	2'x4'x3/4"	Class A	86683CR	0.75	35	0.90	White	P	Low		73%	\$\$

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**High Recycled Content**  
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USG MARS™ HEALTHCARE  
WITH AIRCARE™ COATING<sup>4</sup>  
75/35

USG MARS™ HEALTHCARE  
CLEAN ROOM PANELS  
75/35

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## GRID PROFILE OPTIONS

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

## PHYSICAL DATA

### ASTM E1264 classification

ASTM E1264-22 Type IV, Form 1 & 2, Pattern E & G  
ASTM E1264-23 Type A, Form A2.1 & A2.2, 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, cgcdesignstudio.com  
or usg.ecomedes.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.

### Notes

- 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 2'x2' 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
- It is not recommended to mix Healthcare and non-Healthcare or AirCare™ and non-AirCare™ panels in the same ceiling plane.
- Cleanroom rated applications require a suspension system with gasketed tee flanges such as USG Donn® Brand AXCE™, DXCE™, DXWCE™ or DXACE™.

### Notice

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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.

