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

Fine-Textured Panel

FEATURES AND BENEFITS

- Water-repellent membrane designed to be durable and safe with common disinfectants.**
- Washable and soil-resistant fi nish. 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

USG
IT'S YOUR WORLD. BUILD IT.™

USG MARS™ HEALTHCARE ACOUSTICAL PANELS

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

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

GREENGUARD GOLD

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

BALANCED ACOUSTICS — BA

HIGH RECYCLED CONTENT — HRC

AIRCARE™ — AIR

Plant-Based Binder — PB

ECOBLUEPRINT

Declare.

UL Classified

Edge	Panel Size	Fire Rating	Item No.	NRC	CAC Min.	LR²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew/Sag Resistance	Recycled Content¹	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	✓	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%	$$
FLB	2'x2'x7/8"	Class A	86258	0.85	35	0.90	White	K,L,M,N	Low	✓	70%	$$
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	✓	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%	$$
	2'x4'x1"	Class A	88344	0.80	40	0.90	White	K,L,M,N	Low	✓	71%	$$
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	✓	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%	$$
	2'x4'x3/4"	Class A	88983	0.75	35	0.90	White	K,L,M,N	Low	✓	69%	$$
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	✓	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 Performance[3]
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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USG MARS™ HEALTHCARE ACOUSTICAL PANELS

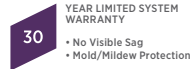## CLIMAPLUS™ PERFORMANCE — NEW CLEAN ROOM, HIGH-NRC AND AIRCARE™ COATING OPTIONS

ORDER SAMPLES/LITERATURE
USG: usg.com or samplit@usg.com
CGC: contact Sales Representative

TECHNICAL SERVICES
800 USG.4YOU (874-4968)

FOR MOST UP-TO-DATE TECHNICAL INFORMATION AND LEED REPORT TOOL
usgdesignstudio.com
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PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818 — GREENGUARD GOLD

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

BALANCED ACOUSTICS

HIGH RECYCLED CONTENT — HRC

AIRCARE™ — AIR

Plant-Based Binder — PB

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UL Classified

	Edge	Panel Size	Fire Rating	Item No.	NRC	CAC Min.	LR²	Color	Grid Options	VOC Emissions	Anti-Mold & Mildew/Sag Resistance	Recycled Content[1]	Panel Cost
USG MARS™ HEALTHCARE WITH AIRCARE™ COATING[4] 75/35	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%	$$
		2'x4'x3/4"	Class A	88983AIR	0.75	35	0.90	White	K,L,M,N	Low	✓	69%	$$
USG MARS™ HEALTHCARE CLEAN ROOM PANELS 75/35	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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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 Performance[3]
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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USG MARS™ HEALTHCARE ACOUSTICAL PANELS

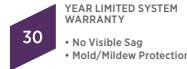CLIMAPLUS™ PERFORMANCE — NEW CLEAN ROOM, HIGH-NRC AND AIRCARE™
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30 YEAR LIMITED SYSTEM WARRANTY
- No Visible Sag
- Mold/Mildew Protection

BA — BALANCED ACOUSTICS

HRC — HIGH RECYCLED CONTENT

AIR — AIRCARE™

PB — Plant-Based Binder

ECOBLUEPRINT.

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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™	**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 scrubbability 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

7. Mars™ Healthcare should not be mixed with non-Healthcare products in the same ceiling plane.

8. Product with Aircare™ coating should not be mixed with non-Aircare™ coated products.

Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

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