USG Ceiling Solutions

USG DCT™ PORTFOLIO

CLIMAPLUS™ PERFORMANCE



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

Flat White 050

Flat Black 205

FEATURES AND BENEFITS

- Data center tile portfolio with a range of material, performance, and sizing options designed to support ceiling and containment configurations in data hall environments.
- DCT™ Portfolio includes DCT™ Defend Panels, highly durable gypsum-based panels, and DCT™ Performance Panels, high-performance mineral fiber and fiberglass-based panels.
- DCT™ Defend Panels, 5/16 in. are sized for standard acoustical suspension systems; all other DCT™ panels are sized for structural suspension systems.
- Balanced acoustics with a wide range of options. Sound absorption NRC up to 0.95 and sound attenuation CAC up to 40.
- DCT™ Defend Panels, 1/2 in. are abuse resistant, face-laminated panels with exceptional dimensional stability.
- DCT™ Performance Panels are part of the EcoBlueprint™ portfolio. For sustainability documentation go to USG.com or CGCInc.com.[1]
- ClimaPlus™ 30-year system warranty against visible sag for all DCT™ Performance Panels and DCT™ Defend Panels for structural suspension systems.

APPLICATIONS

- Data Centers
- Critical Facilities

SUBSTRATES

- Gypsum
- Wet-Formed Mineral Fiber
- Fiberglass

DCT™ Defend Panels Gypsum

DCT™ Performance Panels Mineral Fiber

DCT™ Performance Panels Fiberglass

USG CGC

IT'S YOUR WORLD. BUILD IT.™

USG DCT™ PORTFOLIO

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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
cgcdesignstudio.com

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

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

BALANCED ACOUSTICS

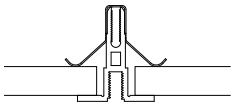
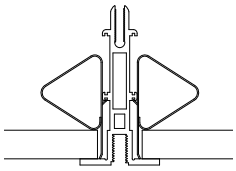
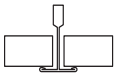
HIGH RECYCLED CONTENT

ECOBLUEPRINT

	Edge	Item No.	Panel Size[2]	Grid	Substrate	NRC[3]	CAC Min.	LR[4]	Color	Fire Class	VOC Emissions	Pcs./ Ctn.	Sq. Ft./ Ctn.[7]	Ctn./ Pallet
						NRC	CAC							
DCT™ DEFEND PANELS	SQ	**DEF5024**[5]	22-15/16 in x 47 in x 1/2 in	Structural	Gypsum	—	40	0.77	White	Class A	Low	4	32	32
		DEF3222	2 ft x 2 ft x 5/16 in	Acoustical	Gypsum	—	—	—	White	—	Low	4	16	64
		DEF3224	2 ft x 4 ft x 5/16 in	Acoustical	Gypsum	—	—	—	White	—	Low	4	32	32
DCT™ PERFORMANCE PANELS	SQ	**PER9522**[5]	23-1/8 in x 23-1/8 in x 1 in	Structural	Fiberglass	0.95	20	0.90	White	Class A	—	12	48	28
		PER9524[5]	23-1/8 in x 47-1/8 in x 1 in	Structural	Fiberglass	0.95	20	0.90	White	Class A	—	12	96	14
		PER9022[5,6]	23-1/8 in x 23-1/8 in x 1 in	Structural	Mineral Fiber	0.90	30	0.90	White	Class A	Low	8	32	20
		PER9024[5,6]	23-1/8 in x 47-1/8 in x 1 in	Structural	Mineral Fiber	0.90	30	0.90	White	Class A	Low	4	32	16
		PER7522[5,6]	23-1/8 in x 23-1/8 in x 3/4 in	Structural	Mineral Fiber	0.75	35	0.90	White	Class A	Low	12	48	20
		PER7524[5,6]	23-1/8 in x 47-1/8 in x 3/4 in	Structural	Mineral Fiber	0.75	35	0.90	White	Class A	Low	6	48	20
		PER7524_B[5,6]	23-1/8 in x 47-1/8 in x 3/4 in	Structural	Mineral Fiber	0.75	35	—	Black	Class A	Low	6	48	20

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.

GRID PROFILES

USG ALTA™ Structural Suspension System	USG CIMA™ Structural Suspension System	USG DX® Acoustical Suspension System
		

PHYSICAL DATA

ASTM E1264-23 classification
DCT™ Defend Panels
ASTM E1264-23 Type G, Form G2, Pattern G

DCT™ Performance Panels, Mineral Fiber
ASTM E1264-23: Type A, Form A2.1 and A2.2, Pattern E,G

DCT™ Performance Panels, Fiberglass
ASTM E1264-23: Type B, Form B2, 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
DCT™ Defend Panels
1.10 - 2.00 lbs./sq. ft.

DCT™ Performance Panels, Mineral Fiber
0.71 - 1.22 lbs./sq. ft

DCT™ Performance Panels, Fiberglass
0.40 lbs./sq. ft.

Thermal Resistance
DCT™ Defend Panels, 1/2 in.
R-0.45

DCT™ Performance Panels, Mineral Fiber
R-1.8 - 2.2

DCT™ Performance Panels, Fiberglass
R-4.4

Online tools
usgdesignstudio.com, cgcdesignstudio.com or usg.ecomedes.com

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

Maintenance
Can be cleaned easily with a soft brush or vacuum. To clean panel, use a clean, white cloth with water or a mild detergent and wipe surface.

Notes
1. For details, see USG Sustainability tool at usgdesignstudio.com or cgcdesignstudio.com.
2. DCT™ Defend Panels, 5/16 in. are sized for USG Donn® Brand DX® Acoustical Suspension System; all other panels are sized for USG ALTA™ and USG CIMA™ Structural Suspension Systems, including USG Modulock™ Technology.
3. USG does not consider a ceiling panel to be acoustically rated if NRC is less than 0.50.
4. LR values are shown as averages.
5. Contains a broad-spectrum antimicrobial additive on the face and back of the panel that provides resistance against the growth of mold and mildew. Fiberglass substrate is inherently resistant to the growth of mold and mildew. Includes sag-resistance performance. For details, see USG 30-Year Limited System Warranty Commercial Applications (SC2102). When not installed with USG Grid, ceiling panels will carry a 20-year warranty.
6. USG classifies High Recycled Content as greater than 50%. Methodology of calculation based on FTC guidelines.
7. Coverage area when installed in the appropriate grid.

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.

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