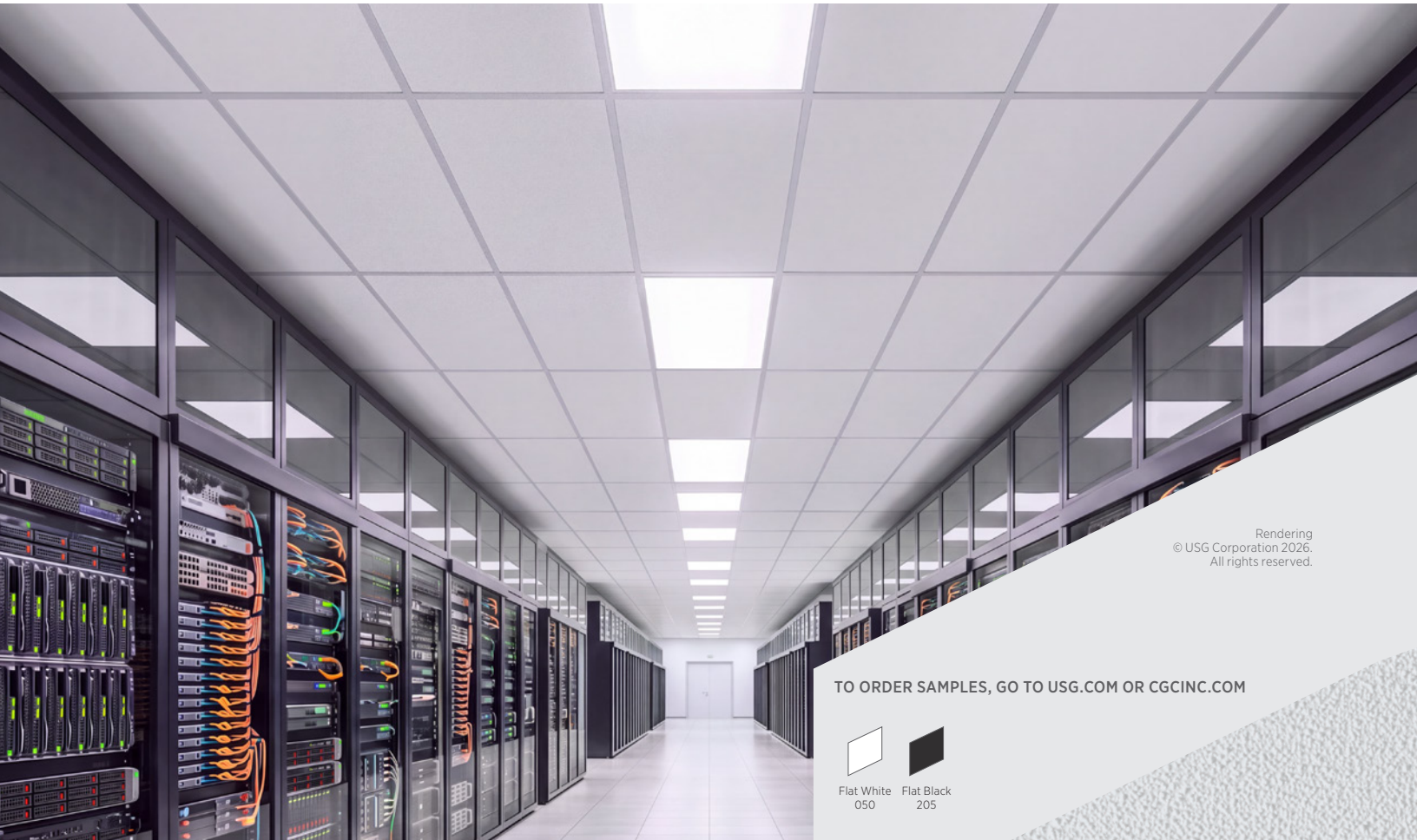


USG DCT™ PORTFOLIO

CLIMAPLUS™ PERFORMANCE



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TO ORDER SAMPLES, GO TO [USG.COM](https://www.usg.com) OR [CGCINC.COM](https://www.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](https://www.usg.com) or [CGCInc.com](https://www.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

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ORDER SAMPLES/LITERATURE
USG: usg.com or samplitt@usg.com
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FOR MOST UP-TO-DATE
TECHNICAL INFORMATION
AND LEED REPORT TOOL
usgdesignstudio.com
cgcdesignstudio.com

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



PRODUCT CERTIFIED
FOR LOW CHEMICAL
EMISSIONS:
ULCOM/GG
UL2818

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



DCT™ DEFEND
PANELS

Edge	Item No.	Panel Size²	Grid	Substrate	NRC³	CAC Min.	LR⁴	Color	Fire Class	VOC Emissions	Pcs./ Ctn.	Sq. Ft./ Ctn.⁷	Ctn./ Pallet
	DEF5024⁵	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
	PER9522⁵	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
	PER9524⁵	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
	PER1022⁵,⁶	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
	PER1024⁵,⁶	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
	PER7522⁵,⁶	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
	PER7524⁵,⁶	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_B⁵,⁶	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 - For details, see USG Sustainability tool at usgdesignstudio.com or cgcdesignstudio.com. - 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. - USG does not consider a ceiling panel to be acoustically rated if NRC is less than 0.50. - LR values are shown as averages. - 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. - USG classifies High Recycled Content as greater than 50%. Methodology of calculation based on FTC guidelines. - Coverage area when installed in the appropriate grid.
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CG449120/10-26
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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.