

GOLD BOND® BRAND GRIDSTONE® CLEANROOM GYPSUM CEILING PANELS

MANUFACTURER

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DESCRIPTION

Gold Bond® BRAND Gridstone® CleanRoom Gypsum Ceiling Panels are prefinished ceiling panels with a noncombustible gypsum core. The 2-mil, white, stipple-textured vinyl laminate combines high light reflectance with easy cleanability. CleanRoom panels are manufactured with the exposed edges sealed, providing a durable coating that completely seals the panel.

BASIC USES

Gridstone CleanRoom panels are for use in systems designed for areas requiring high levels of air cleanliness for airborne particulate levels such as clean rooms and clean zones.

ADVANTAGES

- *Designed for clean room use.* Approved for use in systems Class 100,000, Class 10,000, Class 1,000, Class 100 per federal standard 209E "Airborne Particulate Cleanliness Classes in Clean Rooms and Clean Zones."
- *Fire-resistant.* A noncombustible gypsum core assures fire safety with 1 1/2- and 2-hour fire rating achievable depending on installation.
- *Sag-resistant.* Gridstone CleanRoom panels' rigid gypsum core prevents sagging and warping problems and is backed by a 15-year limited warranty.

- Gridstone CleanRoom panels are USDA accepted for use in food service and food processing areas.

GREENGUARD CERTIFIED

Gridstone CleanRoom Gypsum Ceiling Panels has achieved GREENGUARD Gold Certification for indoor air quality.



LIMITATIONS

- Per ASTM C 840 section 17.3.1.1, do not install panels in areas exposed to extreme or continuous moisture, such as saunas, steam rooms, gang showers and indoor pool enclosures.
- Overlaid insulation may cause excessive panel deflection and is not recommended where high humidity is likely to occur.
- Extreme lighting conditions may distort texture appearance.
- The use of strong organic solvents (such as ketones), harsh abrasive cleaners or steel wool are not recommended. These materials may cause dulling, discoloration, softening and other permanent damage to the vinyl surface.

TECHNICAL DATA

PHYSICAL PROPERTIES

Thickness, nominal	1/2" Type X (12.7 mm)
Width, nominal	2' (610 mm)
Length, standard	GB 5040 - 2' (610 mm) Actual size is 23-3/4" x 23-3/4" GB 5030 - 4' (1219 mm) Actual size is 23-3/4" x 47-3/4"
Weight, lbs./sq.ft., nominal	2.2
Finish	2 mil white stipple vinyl laminate
Surface Burning Characteristics (per ASTM E 84)	Flame Spread: 15 Smoke Developed: 0
Sound Attenuation (per ASTM E 1414)	46dB
Ceiling Attenuation Class (CAC)	NGC Report #6098001
Light Reflectance	LR 1 (75% or greater)

APPLICABLE STANDARDS AND REFERENCES

ASTM C 1396, Class I
ASTM E 1264, Type XX, Patterns E, G
National Gypsum Company, *Gypsum Construction Guide*

FIRE RATINGS BY TYPE & SIZE

(ASTM E 119)

Type	Size	Design	Rating
1/2" (12.7 mm) Fire-Shield G	2' x 2'	UL G222 FM FC 299	2 hr.
1/2" (12.7 mm) Fire-Shield G	2' x 4'	UL G259 FM FC 300	1 1/2 hr.

Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)

INSTALLATION

RECOMMENDATIONS

Gridstone CleanRoom ceiling panels are designed to be used in a gasket seal suspended grid system using hold down clips.

Recommended use of Gordon DS-20 gasket Seal System or equivalent gasket sealed grid systems designed for clean room applications. Grid installation should be conducted according to manufacturer's specification.

Each panel must be supported on all four (4) edges.

Cross ventilation must be provided in unheated or enclosed space above ceiling panels.

General: Install panels in lay-in suspension systems with edges concealed by flanges of suspension members. Cut panels to fit tightly at borders and penetrations so that cut edges are concealed by trim pieces and escutcheons.

If panel cuts are required, exposed core should be sealed to maintain performance of the system.

Cleaning: Common dirt and stains on the vinyl surface can be removed with mild soap or detergent in lukewarm water. Use a light scrubbing action with a cloth, sponge or soft brush.

If the suitability of any cleaning agent is unknown, check its effect on the Gridstone CleanRoom panel surface in a hidden area or on a scrap piece before attempting to remove a field stain.

NOTE: Vinyl laminate on face of 2' x 2' Gridstone CleanRoom panel is directional. Install with all factory edges parallel (Same direction).