DESCRIPTION

Gold Bond® Gridstone® Gypsum Ceiling Panels consist of a non-combustible, gypsum core. The 2-mil. white, stipple-textured vinyl laminate combines high light reflectance with easy cleanability.

Gridstone panels are ideal for interior and unexposed exterior ceiling applications such as soffits, parking garages, kitchens and baths.

Gridstone panels are accepted by the USDA for use in food service and food processing areas..

BASIC USES

Applications

Use Gridstone Gypsum Ceiling Panels in interior and unexposed exterior ceiling applications, such as soffits, parking garages, kitchen and baths.

Advantages

- Gridstone Gypsum Ceiling Panels install easily in standard exposed grid systems.

- A non-combustible gypsum core assures fire safety with 1-1/2- and 2-hour fire ratings achievable depending on installation.

- The sturdy white vinyl laminate eliminates additional finishing.

- The rigid gypsum core prevents sagging and warping problems and is backed by a 15-year limited warranty.

- Achieves UL GREENGUARD Gold Certification for low chemical emissions into indoor air during product usage. For more information, visit: **ul.com/gg**.

- Qualifies as a low-VOC emitting material by meeting California Specification 01350. For more information, visit: **calrecycle.ca.gov/greenbuilding/specs/section01350**.

INSTALLATION RECOMMENDATIONS

General

- Provide cross ventilation in unheated or enclosed space above ceiling panels.

- Install Gridstone Gypsum Ceiling Panels in lay-in suspension systems with edges concealed by flanges of suspension members.

- Gridstone Gypsum Ceiling Panels are designed to be mounted in standard 15/16" (24 mm) exposed tee grid systems or environmental-type grids for severe conditions, with grids either 24" (610 mm) x 24" (610 mm) or 24" (610 mm) x 48" (1,219 mm). Grid installation should be conducted according to manufacturer's specification.

- Vinyl laminate on face of Gridstone Gypsum Ceiling Panels is directional. Install with all factory edges parallel (same direction).

- Each panel must be continuously supported on all four edges.

- Cut panels to fit tightly at borders and penetrations so that cut edges are concealed by trim pieces and escutcheons.

Cleaning: Remove common dirt and stains on the vinyl surface 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 Gypsum Ceiling Panel surface in a hidden area or on a scrap piece before attempting to remove a field stain.

Decoration

Gridstone Gypsum Ceiling Panels are factory finished decorative products that do not require painting. However, if desired, paint Gridstone with the following products:

1. Oil primer with finish coat of oil or latex paint

2. Two coats of latex paint.

Fire Ratings by Type and Size (ASTM E119)			
Type	Size	Design	Rating
1/2" (12.7 mm)	2' x 2'	UL G222 FM FC299	2 hr.
1/2" (12.7 mm) Fire-Shield G	2' x 4'	UL G259 FM FC300	1-1/2 hr.

Job Name _____

Contractor _____ Date _____
Submittal Approvals: (Stamps or Signatures)

GRIDSTONE®
Gypsum Ceiling Panels

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TECHNICAL DATA

Physical Properties	Gridstone Ceiling Panels
Thickness[1], Nominal	1/2" (12.7 mm)
Width[1], Nominal	2' (610 mm), (Actual size is 23-3/4")
Length[1,6], Standard	**GB 5044:** 2' (610 mm), (Actual size is 23-3/4") **GB 5045:** 4' (1,219 mm), (Actual size is 47-3/4")
Weight, Nominal	2.2 lbs./sq. ft. (10.74 k/m²)
Edges[1]	Square
Finish Face	2 mil. White Stipple Vinyl Laminate
Finish Back	N/A
Predecorated Gypsum Board[1]	Class 1
Ceiling Attenuation Class (CAC)[4,5]	46 dB
Light Reflectance[5]	LR 1 (75% or greater)
Product Standard Compliance	ASTM C1396
Fire-Resistance Characteristics	
Core Type	Type X
UL Type Designation	FSW-G
Combustibility[2]	Non-combustible Core
Surface Burning Characteristics[3]	Class A
Flame Spread[3]	5
Smoke Development[3]	0
Applicable Standards and References	
ASTM C473 *Standard Test Methods for Physical Testing of Gypsum Panel Products*	
ASTM C840 *Standard Specification for Application and Finishing of Gypsum Board*	
ASTM C1396 *Standard Specification for Gypsum Board*	
ASTM E84 *Standard Test Method for Surface Burning Characteristics of Building Materials*	
ASTM E136 *Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C*	
ASTM E1264 *Standard Classification for Acoustical Ceiling Board*	
ASTM E1414 *Standard Test Method for Airborne Sound Attenuation Between Rooms Sharing a Common Ceiling Plenum*	
Gypsum Association, GA-216, *Application and Finishing of Gypsum Panel Products*	
Gold Bond Building Products, LLC Manufacturer Standards, *NGC Construction Guide*	

1. Specified values per ASTM C1396, tested in accordance with ASTM C473.
2. Tested in accordance with ASTM E136.
3. Tested in accordance with ASTM E84.
4. Tested in accordance with ASTM E1414.
5. Tested in accordance with ASTM C1264, Type XX, Patterns E and G.
6. Please consult your local sales representative for all non-standard lengths and widths. Minimum order requirements may apply.

GRIDSTONE®
Gypsum Ceiling Panels

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LIMITATIONS

- Do not install panels in areas exposed to extreme or continuous moisture, such as saunas, steam rooms, gang showers and indoor pool enclosures.

- Do not exceed 104° F (40° C) or 90% relative humidity prior to, during and after installation.

- For exterior application, protect grid panels from direct exposure to weather, water and continuous high humidity.

- Limit supported insulation to 1.6 psf (4.88 k/m²).

- 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.

- Do not use strong organic solvents (such as ketones), harsh abrasive cleaners or steel wool. These materials may cause dulling, discoloration, softening and other permanent damage to the vinyl surface.

Handling and Project Conditions

- Avoid water exposure during shipping, handling, storage and installation, and after installation of gypsum ceiling panels in order to avoid the formation of mold or mildew.

- Remove nonbreathable shipping wrap material upon receiving and storing gypsum panels.

- Store gypsum ceiling panels off the ground and under cover.

- Use sufficient supports extending under the entire length of gypsum board to prevent sagging.

- Keep gypsum ceiling panels dry to minimize the potential for mold growth. Take adequate care while transporting, storing, applying and maintaining gypsum ceiling panels. For additional information, refer to the Gypsum Association publication, *Guidelines for Prevention of Mold Growth on Gypsum Board* (GA-238).

- Protect gypsum ceiling panels from the elements and maintain in good condition prior to and following installation. Stack panels flat, with care taken to prevent sagging or damage to edges, ends or surfaces.

- Do not install gypsum ceiling panels with visible signs of mold growth. Do not apply gypsum ceiling panels over other building materials where conditions exist that are favorable to mold growth.

- Do not exceed 95°F (35°C) when using a temporary heat source.

- Refer to GA-801 for complete handling and storage instructions.

FOR MORE INFORMATION

Architectural Specifications

Gold Bond Building Products CSI MasterFormat® 3-part guide specifications are downloadable as editable Microsoft® Word documents at: **goldbondbuilding.com**.

Latest Technical Information and Update

Visit **goldbondbuilding.com** or call National Gypsum Company Construction Services: 1-800-NATIONAL (628-4662).

Technical Information *Información Técnica*

1-800-NATIONAL®
1-800-628-4662

National Gypsum Company is the exclusive service provider for products manufactured by Gold Bond Building Products, LLC.

The Gold Bond family of products is manufactured by Gold Bond Building Products, LLC.

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