

GRIDSTONE® BRAND CLEANROOM GYPSUM CEILING PANELS

MANUFACTURER

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DESCRIPTION

Gridstone® BRAND CleanRoom gypsum ceiling panels are sealed on the face, back and long edges with a 2 mil. rigid vinyl film. The exposed edges are factory sealed with a durable coating providing a completely sealed 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 10-year limited warranty.

LIMITATIONS

- Do not install panels in areas exposed to extreme or continuous moisture.
- 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 cleansers or steel wool are not recommended. These materials may cause dulling, discoloration, softening and

other permanent damage to the vinyl surface.

FINISH

2 mil. white stipple vinyl laminate on face of panel

APPLICABLE STANDARDS

ASTM C 960 Type X Class I
ASTM C 36, Type X
ASTM 1264, Type XX, Patterns E, G
Gridstone panels are USDA accepted for use in food service and food processing areas.
Federal Standard 209E "Airborne Particulate Cleanliness classes in Clean Rooms and Clean Zones."

TECHNICAL DATA

SURFACE BURNING CHARACTERISTICS

ASTM E 84
Flame Spread: 5
Smoke Developed: 0

SOUND ATTENUATION

(ASTM E 1414 Test Method)
Ceiling Attenuation Class (CAC)-46 dB

LIGHT REFLECTANCE

LR 1 (75% or greater)

INSTALLATION

Gridstone CleanRoom ceiling panels are designed to be used in a gasket seal suspended grid

FIRE RATINGS BY TYPE & SIZE (ASTM E 119)

Type	Size	Design	Rating
1/2" (12.7 mm) Fire-Shield G	2' X 2' (Actual size: 23 3/4" x 23 3/4") (610 mm x 610 mm)	UL G222 FM FC 299	2 hr.
1/2" (12.7 mm) Fire-Shield G	2' X 4' (Actual size: 23 3/4" x 47 3/4") (610 mm x 1219 mm)	UL G259 FM FC 300	1 1/2 hr.

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.

RECOMMENDATIONS

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).

APPLICABLE STANDARDS AND REFERENCES

National Gypsum Co. *Gypsum Construction Guide*



Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)