

GYPSUM-PANEL TEXTURED CEILINGS Guide Specification

National Gypsum Company

(Specifier Note: The purpose of this guide specification language is to assist the specifier in correctly specifying gypsum ceiling panel products and their installation. The specifier needs to edit these guide specifications to fit the needs of each specific project. Contact National Gypsum Company to assist in appropriate product selections.)

Specifier Notes included in (italicized red text) are included to provide assistance in selecting appropriate text for inclusion in a Specification. [Bold text] indicates a selection is required. Text in the brackets may not be the only options available, but are recommended or common selections.)

SECTION 09 56 13 GYPSUM-PANEL TEXTURED CEILINGS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Gypsum Ceiling Panels
- B. Hi-Strength Gypsum Ceiling Panels
- C. Cleanroom Gypsum Ceiling Panels

1.2 PERFORMANCE CRITERIA

(Specifier Note: The Gold Bond BRAND Gridstone Fire-Shield Gypsum Ceiling Panels and the Gold Bond BRAND Gridstone CleanRoom Gypsum Ceiling Panels can be used to achieve a rated ceiling assembly.)

- A. Ceiling Assembly Fire-Resistance Rating: **[1-1/2-Hour per UL Assembly G259] [2-Hour per UL Assembly G222]**

PART 2 - PRODUCTS

2.1 MANUFACTURER / PRODUCTS

(Specifier Note: Throughout Part-2 maintain brand names when proprietary specification is acceptable. Use generic term when project must be competitively bid. CONFIRM product requirements and characteristics prior to listing products of other manufacturers.)

- A. Basis of Design: Products of National Gypsum Company.

2.2 GYPSUM CEILING PANELS

(Specifier Note: Gridstone Fire-Shield panels are ideal for interior and unexposed exterior ceiling applications such as soffits, parking garages, kitchens and baths. They are accepted by the USDA for use in food service and food processing areas.)

- A. Basis of Design: Gold Bond® BRAND Gridstone® Fire-Shield® Gypsum Ceiling Panels.

1. Type X, Panel Physical Characteristics

- a. Core: Fire and sag resistant gypsum core
- b. Size (nominal): **[2 feet x 2 feet] [2 feet x 4 feet]**

- c. Overall Thickness 1/2 inch
- d. Surface: 2 mil. white, stipple-textured vinyl laminate
- e. Sound Attenuation: Class (CAC)-46 dB when tested in accordance with ASTM E1414 Standard Test Method for Airborne Sound Attenuation between Rooms Sharing a Common Ceiling Plenum
- f. Panel complies with requirements for Type X, Class 1 of ASTM C 1396 Standard Specification for Gypsum Board
- g. Panel complies with requirements for Type XX, Patterns E, G of ASTM E 1264 Standard Classification for Acoustical Ceiling Products
- h. Light Reflectance: LR 1 (75% or greater)
- i. Surface Burning Characteristics when tested in accordance with ASTM E 84, Standard Test Method for Surface Burning Characteristics of Building Materials:
 - 1) Flame Spread: 5
 - 2) Smoke Development: 0

2.3 HI-STRENGTH GYPSUM CEILING PANELS

(Specifier Note: Gridstone Hi-Strength panels are ideal for interior and exterior ceiling application in protected, well-ventilated spaces that receive intermittent exposure to moisture such as soffits, parking garages, and other non-fire related ceiling systems. They are accepted by the USDA for use in food service and food processing areas.)

- A. Basis of Design: Gold Bond® BRAND Gridstone® Hi-Strength Gypsum Ceiling Panels.

1. Panel Physical Characteristics

- a. Core: Regular, high strength, sag resistant gypsum core
- b. Size (nominal): **[2 feet x 2 feet] [2 feet x 4 feet]**
- c. Overall Thickness: 5/16 inch
- d. Surface: 2 mil., white, stipple-textured vinyl laminate
- e. Sound Attenuation: Class (CAC)-41 dB when tested in accordance with ASTM E1414 Standard Test Method for Airborne Sound Attenuation between Rooms Sharing a Common Ceiling Plenum
- f. Panel complies with requirements for Class 1 of ASTM C 1396 Standard Specification for Gypsum Board
- g. Panel complies with requirements for Patterns E, G of ASTM E 1264 Standard Classification for Acoustical Ceiling Products
- h. Light Reflectance: LR 1 (75% or greater)
- i. Surface Burning Characteristics when tested in accordance with ASTM E 84, Standard Test Method for Surface Burning Characteristics of Building Materials:
 - 1) Flame Spread: 5
 - 2) Smoke Development: 0

2.4 CLEANROOM CEILING PANELS

(Specifier Note: Gridstone Cleanroom panels are ideal for areas requiring high levels of air cleanliness for airborne particulate levels such as clean rooms and clean zones. They are accepted by the USDA for use in food service and food processing areas)

- A. Basis of Design: Gold Bond® BRAND Gridstone® CleanRoom® Gypsum Ceiling Panels.

1. Type X, Panel Physical Characteristics

- a. Core: Fire and sag resistant gypsum core
- b. Size (nominal): **[2 feet x 2 feet] [2 feet x 4 feet]**
- c. Overall Thickness: 1/2 inch

- d. Surface: 2 mil. white, stipple-textured vinyl laminate sealed on the face and back. The edges are factory sealed with a coating that encapsulated the exposed edges, providing a completely sealed panel
- e. Sound Attenuation: Class (CAC)-46 dB when tested in accordance with ASTM E1414 Standard Test Method for Airborne Sound Attenuation between Rooms Sharing a Common Ceiling Plenum
- f. Panel complies with requirements for Type X, Class 1 of ASTM C 1396 Standard Specification for Gypsum Board
- g. Panel complies with requirements for Type XX, Patterns E, G of ASTM E 1264 Standard Classification for Acoustical Ceiling Products
- h. Light Reflectance: LR 1 (75% or greater)
- i. Surface Burning Characteristics when tested in accordance with ASTM E 84, Standard Test Method for Surface Burning Characteristics of Building Materials:
 - 1) Flame Spread: 5
 - 2) Smoke Development: 0

2.5 SUSPENSION GRIDS

(Specifier Note: Gridstone panels should be used with compatible suspension grid systems. COORDINATE panels and grid systems.)

- A. **[Hi-Strength] [Gypsum]** Ceiling Panels
 - 1. Description: **[Exposed grid systems] [15/16 inch exposed grid systems with tee grids]**
 - 2. Finish: **[Clear anodized] [White powder coat] [Custom color].**
- B. Cleanroom Gypsum Ceiling Panels:
 - 1. Product: **[Gordon-DS-20 Gasket Seal System] [Insert Product Name]**
 - 2. Description: Gasketed grid system with hold-down clips.
 - 3. Finish: **[Clear anodized] [White powder coat] [Custom color].**

PART 3 - EXECUTION

(COORDINATE Preparation and Installation requirements with the desired ceiling assembly.)

3.1 INSTALLATION

- A. Install in accordance with manufacturer recommendations.
- B. **[Hi-Strength][Gypsum]** Ceiling Panels
 - 1. Panels drop in place in standard exposed grid systems.
- C. Cleanroom Gypsum Ceiling Panels
 - 1. Panels should be clipped down into a gasketed grid system.
 - 2. If cuts are required, exposing core should be sealed to maintain the performance of the system.

3.2 CLEANING

- A. Removed dirt and dust with mild soap and water.

DISCLAIMER:

National Gypsum Company Guide Specifications have been written as an aid to the professionally qualified specifier and design professional. The use of this information requires the professional judgment and expertise of the qualified specifier and design professional to adapt the information to the specific needs of the building Owner and the project; to coordinate with the design professional's construction document process, and to meet the applicable building codes, regulations and laws. National Gypsum disclaims any warranty, expressed or implied, including the warranty of fitness for a particular purpose of the product for a project.

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