

ToughRock® 1/4" Sound Deadening Board Architectural Specifications

Part 1 – General

1.0 Description

- A. Work in this section includes, but is not limited to:
 - 1. 1/4" gypsum sound deadening board applied to metal/wood framing.
 - 2. 1/4" gypsum sound deadening board applied to ceilings.

1.1 Submittals

- A. Product data: Submit G-P Gypsum product specifications and installation instructions for each gypsum component, including other data as may be required to show compliance with these specifications.

1.2 Quality Assurance

- A. Fire-resistance ratings: Where applicable, use the G-P Gypsum system with the hourly fire rating design required.
 - 1. Provide fire-resistance rated assemblies identical to those indicated by reference to GA File Nos. in GA 600 Fire Resistance Design Manual or to design designations in UL Fire Resistance Directory, or in listing of other testing agencies acceptable to authorities having jurisdiction.

1.3 Qualifications

All gypsum board and joint treatment materials shall be manufactured by G-P Gypsum Corporation, unless otherwise indicated. All materials shall be installed in accordance with printed installation instructions by G-P Gypsum.

1.4 Delivery, Storage and Handling

- A. Delivery: Deliver materials to the job site in original packaging, containers or bundles bearing G-P Gypsum Corporation brand name and identification.
- B. Storage and Handling: Store materials inside, level, under cover. Keep dry, protect from weather and damage from construction operations and other causes.
- C. Handle gypsum boards to prevent damage to edges, ends or surfaces. Protect metal accessories and trim from being bent or damaged.

1.5 Project Conditions

- A. Environmental Requirements, General: Comply with requirements of gypsum board application standards and recommendations of G-P Gypsum for environmental conditions before, during and after application of gypsum board.
- B. Cold Weather Protection: When outdoor temperature is below 50°F, maintain building working temperature of not less than 50°F for a period of 48 hours prior to, during and following application of gypsum board and joint treatment materials or bonding adhesives.
- C. Ventilation: Ventilate building spaces as required to remove excess moisture that would prevent drying of joint treatment material immediately after its application.

Part 2—Products

2.1 Materials

- A. 1/2" ToughRock gypsum board
- B. 5/8" ToughRock Fireguard® gypsum board
- C. 1/2" ToughRock Fireguard C gypsum board
- D. 5/8" ToughRock Fireguard C gypsum board
- E. 1/4" ToughRock sound deadening board

2.2 Metal Studs

Track, furring channels, screws and other components including insulation as recommended by G-P Gypsum. Provide studs and tracks of dimension and gauge for required assembly and fire rating.

2.3 Trim Accessories

- A. General: Provide standard trim accessories as recommended by G-P Gypsum, of types indicated for drywall work. Provide galvanized steel unless otherwise indicated.

2.4 Miscellaneous Materials

- A. General: Provide auxiliary materials for gypsum drywall work of the type and grade recommended by G-P Gypsum to include screws, nails, adhesives, sealants, sound blankets and insulation.

Part 3—Execution

3.1 Installation

- A. General: Follow G-P Gypsum recommendations for installation of support systems.

3.2 Gypsum Sound Deadening

Board Application

- A. On Walls: Apply gypsum board vertically or horizontally, providing sheet lengths that will minimize end joints.
- B. Double Layer Application: Install gypsum board for base layer and exposed gypsum board for face layer.
- C. On Ceilings: Apply base layer prior to base layer application on walls; apply face layers in same sequence. Offset joints between layers at least 1'. Apply base layers at right angles to supports unless otherwise indicated.
- D. On Walls: Apply base layer and face layers vertically with joints of base layer over supports and face layer joints offset at least 10" with base layer joints.

3.3 Installation of Gypsum Board

- A. General: Follow procedures outlined in ASTM C 840 and GA-216.
- B. Install sound deadening board and sound attenuation blankets where indicated.
- C. Install ceiling boards in the direction that will minimize the number of end-butt joints. Stagger end joints at least 1'.
- D. Install gypsum board on walls vertically to avoid end-butt joints. At stairwells and similar high walls, install boards horizontally with end joints staggered over studs, except where local codes or fire-rated assemblies require vertical application.
- E. Install gypsum board with face side out. Do not install damaged or damp boards.
- F. Stagger vertical joints on opposite sides of wall.
- G. For direct bonding to substrate, comply with G-P Gypsum Board recommendations. Brace or fasten gypsum board until fastening adhesive has set. Gypsum board should be mechanically fastened at top and bottom of each sheet.

3.4 Installation of Accessories

- A. General: Use the same fasteners to anchor trim accessory flanges as required to fasten gypsum board to the supports.

3.5 Drywall Finishing

- A. General: Apply treatment for face layer gypsum board joints, flanges of trim accessories, penetrations, fastener heads and surface defects.
- B. Levels of Finishing: The recommended levels of finish of gypsum board for walls and ceilings are contained within GA-214 Levels of Gypsum Board Finish and ASTM C 840.

3.7 PROTECTION OF WORK

- A. Provide protection that ensures gypsum drywall work will not be damaged or deteriorate at time of substantial completion.

Technical Service Hotline 1.800.225.6119 or www.gpgypsum.com

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