Submittal Sheet
09250

Sheetrock® Interior Ceiling Panel

Sag-Resistant

A lightweight, sag resistant ceiling board ideal for texturing

– Weighs significantly less than 5/8″ gypsum panels
– Provides improved sag resistance when compared with 5/8″ board
– Supports sprayed textures and insulation as well as 5/8″ gypsum panels
– Ensures easier application for reduced installation time and lower labor costs

Description

SHEETROCK® brand sag-resistant interior ceiling panel is designed to meet the need for a lower-weight ceiling board offering excellent sag resistance, even when wet-textured. These superior-grade panels are only 1/2″ thick, but offer improved resistance to sag when compared to standard 5/8″ gypsum board.

Limitations

1. Avoid exposure to sustained temperatures exceeding 125 ˚F (52 ˚C).
2. Avoid exposure to excessive, repetitive or continuous moisture before, during and after installation. Eliminate sources of moisture immediately.
3. Maximum span between ceiling supports is 24″ o.c.
4. When panels are used as a base for water-based spray-applied texture finish, the weight of overlaid insulation should not exceed 2.2 psf.
5. Not recommended for exterior applications.
6. Thorough ventilation should be ensured to dry texture finish.
7. When a vapor retarder is installed on ceilings behind these ceiling panels, the ceiling insulation (batts or blankets) shall be installed before or immediately after the ceiling panels are installed. Where loose fill insulation is to be used above the ceiling, it shall be installed immediately after the ceiling panels are installed.
   Note: To determine the necessity and location of vapor retarders, a water vapor transmission and dew point analysis of the assembly should be conducted by a qualified engineer.

Installation

SHEETROCK sag-resistant interior ceiling panel is designed for parallel or perpendicular application to framing components spaced up to 24″ on center with a maximum 2.2 lb./sq. ft. insulation loading and wet texturing for ceiling application. For single-layer wood-framed ceilings, nails are spaced 7″ o.c.; 1-1/4″ Type W or Type S screws are placed 12″ o.c. Adhesive/nail-on fastening improves bond strength and reduces face nailing.

In new construction or renovation applications, steel furring channels can be used (RC-1 Resilient Channels or metal furring channels spaced a maximum of 24″ o.c., fastened to bottom of joists).
Caution: Careful attention should be paid to framing construction and alignment. Problems will “telegraph” through the board if the framing is not true. Ensure proper ventilation to remove excess moisture during and after finishing. Supplemental heat or dehumidification may be required.

For high-quality finishing results, USG recommends the following products:

– SHEETROCK® ready-mixed joint compounds
– SHEETROCK® setting-type joint compounds
– SHEETROCK® joint tape
– SHEETROCK® First Coat primer
– SHEETROCK™ paper-faced metal bead and trim
– SHEETROCK® TUFF-HIDE™ primer-surfacer

Painting products and systems should be used which comply with recommendations and requirements in Appendixes of ASTM C840. For priming and decorating with paint, texture or wall covering, follow manufacturer’s directions for materials used.

All surfaces, including applied joint compound, must be thoroughly dry, dust-free, and not glossy. Prime with SHEETROCK First Coat primer or with an undiluted, interior latex flat paint with high-solids content. Allow to dry before decorating.

To improve fastener concealment, where gypsum panel walls and ceilings will be subjected to severe artificial or natural side lighting and be decorated with a gloss paint (egg shell, semi-gloss or gloss), the gypsum panel surface should be skim coated with joint compound. This equalizes suction and texture differences between the drywall face paper and the finished joint compound before painting. As an alternative to skim coating, or when a Level 5 finish is required, use SHEETROCK TUFF HIDE™ primer-surfacer.

Product Data

Materials: Paper-surfaced sag-resistant gypsum core.

Sizes: Panels are 1/2″ x 4′ wide and available in 8′ or 12′ lengths.

Edges: Tapered.

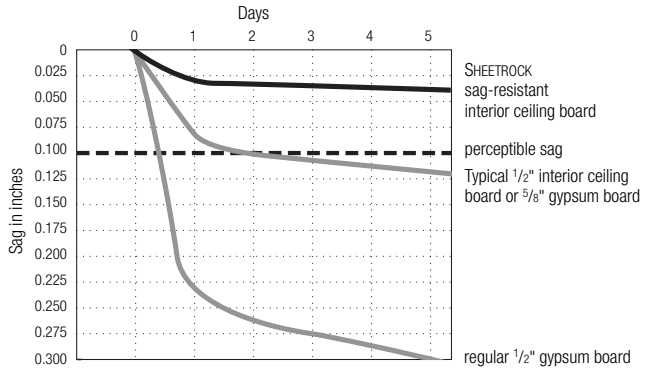
Thermal Coefficient of Expansion: 9.0 x 10^{-6} in. per in. per F° (40-100 °F).

Hygrometric Coefficient of Expansion (unrestrained): 7.2 x 10^{-6} per in. per % R.H. (5-90% R.H.).

Packaging: 2 panels per bundle.

Test Data

Sag Resistance



The sag characteristics of standard gypsum board and SHEETROCK sag-resistant interior ceiling panel were evaluated by an independent laboratory. This chart compares the sag performance of the products after wet texture application with insulation loading. The test results show that 5/8″ gypsum board and conventional high strength ceiling boards sag to perceptible levels in high humidity environments when textures are applied to the surface. Regular 1/2″ gypsum board sags to objectionable levels quickly. SHEETROCK sag-resistant interior ceiling panel, however, showed minimal sag through the duration of the test. **The test was conducted at 90 °F and 90% relative humidity.**

Surface Burning Characteristics

Flame spread 15, smoke developed 0.

Compliance

See National Evaluation Service, Inc. report NER-458 and ICBO Evaluation Service, Inc. report ER-5691.
Meets ASTM C1396.

Submittal Approvals:

Job Name	
Contractor	Date

Trademark
The following trademark used herein is owned by United States Gypsum Company or a related company: SHEETROCK.

Note
Products described here may not be available in all geographic markets. Consult your U.S. Gypsum Company sales office or representative for information.

Notice
We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

Safety First!
Follow good safety and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

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