

SECTION 09 29 00 – GYPSUM BOARD, 1/2 in. (12.7 mm) USG Sheetrock® Brand Mold Tough® Panels
Firecode® C (UL Type C)

Product Summary:

- 1/2 in. (12.7 mm) enhanced proprietary Type X panels with moisture and mold resistance for wall and ceiling applications
- Feature a noncombustible, moisture-resistant gypsum core encased in moisture- and mold-resistant, 100% recycled green face and brown back papers
- Comply with ASTM C1396, *Standard Specification for Gypsum Board*, for 1/2 in. (12.7 mm), Type X, water-resistant gypsum wallboard and exterior gypsum soffit board
- When tested in accordance with ASTM D3273, *Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber*, the panels meet or exceed ASTM C1396 specifications
- Underwriters Laboratories Inc. (UL) Classification as to fire resistance, surface-burning characteristics and noncombustibility
- Can be used in any UL Design in which Type C panels are listed
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)
- For more information, refer to product submittal sheet WB5094 or usg.com

Note to Specification Writers:

- This document is not intended to function as a standalone specification. It is intended to assist the specifier in inserting the proper language into the following recommended specification sections: 09 29 00 – GYPSUM BOARD.
- This product is manufactured at USG gypsum panel plants, reducing distances and carbon footprint for transport.
- Panels shall be installed in accordance with GA-216, *Specifications for the Application and Finishing of Gypsum Panel Products* and ASTM C840, *Standard Specification for Application and Finishing of Gypsum Board*.
- Contact USG at 800.874.4968 for technical questions.

PART 2 – GYPSUM PANEL PRODUCTS

2.1 MOISTURE- AND MOLD-RESISTANT TYPE X GYPSUM PANEL

- A. ASTM C1396, *Standard Specification for Gypsum Board*, for 1/2 in. (12.7 mm), Type X, water-resistant gypsum wallboard and exterior gypsum soffit board
1. Basis of Design: Subject to compliance with project requirements, the design is based on the following: United States Gypsum Company, USG Sheetrock® Brand Mold Tough® Panels Firecode® C
 2. UL Type Designation: “C”
 3. ASTM E136 Noncombustibility: Meets
 4. ASTM E84 Surface-Burning Characteristics
 - a. Flame Spread: 15
 - b. Smoke Developed: 0
 - c. Class A (Flame spread not greater than 25 and smoke developed not greater than 450): Meets
 5. ASTM C473, *Standard Test Methods for Physical Testing of Gypsum Panel Products*
 - a. Core Hardness
 - 1) Field [Not less than 11 lbf (49 N)]: Meets
 - 2) End [Not less than 11 lbf (49 N)]: Meets
 - 3) Edge [Not less than 11 lbf (49 N)]: Meets
 - b. Flexural Strength
 - 1) Parallel [Not less than 36 lbf (160 N)]: Meets
 - 2) Perpendicular [Not less than 107 lbf (476 N)]: Meets
 - c. Nail Pull Resistance [Not less than 77 lbf (343 N)]: Meets
 - d. Humidified Deflection [Not greater than 1-1/4 in. (32 mm)]: Meets
 - e. Average Water Absorption (Not greater than 5% by weight after two-hour immersion): Meets



6. ASTM D3273, *Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber*: Meets ASTM C1396 specifications
7. Thickness: 1/2 in. (12.7 mm)
8. Length: 8-12 ft. (2438-3658 mm)
9. Width: 4 ft. (1219 mm)
10. Weight: 2.0 lb./sq. ft. (9.8 kg/sq. m.)
11. Edge: Tapered

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