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

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| **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
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| **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 at800.874.4968 for technical questions.
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PART 2 – GYPSUM PANEL PRODUCTS

* + - 1. MOISTURE- AND MOLD-RESISTANT TYPE X GYPSUM PANEL
				1. 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

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

UL Type Designation: “C”

ASTM E136 Noncombustibility: Meets

ASTM E84 Surface-Burning Characteristics

Flame Spread: 15

Smoke Developed: 0

Class A (Flame spread not greater than 25 and smoke developed not greater than 450): Meets

ASTM C473, *Standard Test Methods for Physical Testing of Gypsum Panel Products*

Core Hardness

Field [Not less than 11 lbf (49 N)]: Meets

End [Not less than 11 lbf (49 N)]: Meets

Edge [Not less than 11 lbf (49 N)]: Meets

Flexural Strength

Parallel [Not less than 36 lbf (160 N)]: Meets

Perpendicular [Not less than 107 lbf (476 N)]: Meets

Nail Pull Resistance [Not less than 77 lbf (343 N)]: Meets

Humidified Deflection [Not greater than 1-1/4 in. (32 mm)]: Meets

Average Water Absorption (Not greater than 5% by weight after two-hour immersion): Meets

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

Thickness: 1/2 in. (12.7 mm)

Length: 8-12 ft. (2438-3658 mm)

Width: 4 ft. (1219 mm)

Weight: 2.0 lb./sq. ft. (9.8 kg/sq. m.)

Edge: Tapered

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