

SECTION 09 29 00 – GYPSUM BOARD, 1/2 in. (12.7 mm) and 5/8 in. (15.9 mm) USG Securock® Brand UltraLight Glass-Mat Sheathing (Regular and Firecode® X)

**Product Summary:**

- The lightest 1/2 in. (12.7 mm) Regular and 5/8 in. (15.9 mm) Type X glass-mat sheathing with moisture and mold resistance—up to 15% lighter than other glass-mat sheathings
- Direct substitute for USG Sheetrock® Brand Gypsum Sheathing (Regular and Firecode® X) when prolonged weather exposure is anticipated
- Feature a coated fiberglass facer mat to maximize coverage of air/water barrier systems
- Treated gypsum core, combined with fiberglass face and back, offers exceptional water resistance
- Comply with ASTM C1177, *Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing*, for 1/2 in. (12.7 mm) Regular, 5/8 in. (15.9 mm) Type X and glass mat water-resistant gypsum substrate
- Score a "10" 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*
- Underwriters Laboratories Inc. (UL) Classification of 1/2 in. (12.7 mm) panels as to surface-burning characteristics and noncombustibility
- UL Classification of 5/8 in. (15.9 mm) panels as to fire resistance, surface-burning characteristics and noncombustibility
- Can be exposed to weather for up to 12 months and are guaranteed five years against manufacturing defects
- 5/8 in. (15.9 mm) Type X panels can be used in any UL Design in which Type USGX panels are listed
- For more information, refer to product submittal sheet WB2862 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-253, *Application of Gypsum Sheathing*, ASTM C1280 *Standard Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing* and USG literature *USG Securock® Brand UltraLight Glass-Mat Sheathing Installation Guide* (WB2451).
- Contact USG at 800.874.4968 for technical questions.

PART 2 – GYPSUM PANEL PRODUCTS

2.1 MOISTURE- AND MOLD-RESISTANT REGULAR AND TYPE X GLASS-MAT GYPSUM SHEATHING

- A. ASTM C1177, *Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing*, for 1/2 in. (12.7 mm) Regular, 5/8 in. (15.9 mm) Type X and glass mat water-resistant gypsum substrate
1. Basis of Design: Subject to compliance with project requirements, the design is based on the following: United States Gypsum Company, USG Securock® Brand UltraLight Glass-Mat Sheathing
  2. UL Type Designation: [1/2 in. (12.7 mm): Not applicable] [5/8 in. (15.9 mm): "USGX"]
  3. ASTM E136 Noncombustibility: Meets
  4. ASTM E84 Surface-Burning Characteristics
    - a. Flame Spread: [1/2 in. (12.7 mm): 0] [5/8 in. (15.9 mm): 0]
    - b. Smoke Developed: [1/2 in. (12.7 mm): 0] [5/8 in. (15.9 mm): 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: { 1/2 in. [12.7 mm] (Not less than 15 lbf (67 N)): Meets } { 5/8 in. [15.9 mm] (Not less than 15 lbf (67 N)): Meets }
      - 2) End: { 1/2 in. [12.7 mm] (Not less than 15 lbf (67 N)): Meets } { 5/8 in. [15.9 mm] (Not less than 15 lbf (67 N)): Meets }

- 3) Edge: { 1/2 in. [12.7 mm] (Not less than 15 lbf (67 N)): Meets } { 5/8 in. [15.9 mm] (Not less than 15 lbf (67 N)): Meets }
- b. Flexural Strength
  - 1) Parallel: { 1/2 in. [12.7 mm] (Not less than 80 lbf (356 N)): Meets } { 5/8 in. [15.9 mm] (Not less than 100 lbf (445 N)): Meets }
  - 2) Perpendicular: { 1/2 in. [12.7 mm] (Not less than 100 lbf (445 N)): Meets } { 5/8 in. [15.9 mm] (Not less than 140 lbf (623 N)): Meets }
- c. Nail Pull Resistance: { 1/2 in. [12.7 mm] (Not less than 80 lbf (356 N)): Meets } { 5/8 in. [15.9 mm] (Not less than 90 lbf (400 N)): Meets }
- d. Humidified Deflection: { 1/2 in. [12.7 mm] (Not greater than 1/4 in. (6 mm)): Meets } { 5/8 in. [15.9 mm] (Not greater than 1/8 in. (3 mm)): Meets }
- e. Average Water Absorption (Not greater than 10% 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*: [1/2 in. (12.7 mm): 10] [5/8 in. (15.9 mm): 10]
7. Thickness: [1/2 in. (12.7 mm)] [5/8 in. (15.9 mm)]
8. Length: 8-12 ft. (2438-3658 mm)
9. Width: 48 in. (1219 mm)
10. Weight: [1/2 in. (12.7 mm): 1.7 lb./sq. ft. (8.3 kg/sq. m.)] [5/8 in. (15.9 mm): 2.2 lb./sq. ft. (10.7 kg/sq. m.)]
11. Edge: Square

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