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SECTION 07 5X XX – USG Securock® Brand Gypsum Fiber Roof board

Sustainability Notes:

- Manufactured from 97% recycled material
- For Sustainability attributes, reference USG Securock® Brand Gypsum Fiber Roof Board Product Attribute Report (PAR) RF74.

Product Summary:

- Exceptional bond and low absorption in adhered systems
- Moisture-and mold-resistant
- Excellent wind-uplift performance
- Exceptional Strength: Engineered to provide superior wind-uplift performance for a wide variety of roof assemblies. USG Securock® Gypsum-Fiber Roof Board has uniform composition providing enhanced bond strength of membrane systems with no risk of facer delamination.
- UL Classified (Type FRX-G) as to Surface Burning Characteristics and Non-combustibility in accordance with ASTM E84 (CAN/ULC-S102).
- Moisture and Mold: Uniform water-resistant core ensures excellent moisture and mold resistance. Scored a maximum "10" for mold resistance on ASTM D3273.
- Can be used as a component in single-ply, fluid-applied, built-up, spray foam, metal and modified bitumen roofing.
- For More information, reference product submittal sheet RF5 and roofing product information RF39.
- **<insert product representative here>** or 800.874.4968 for technical questions.

Note to Specifiers:

- 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:
07 5x xx – ROOFING, SUBSTRATE BOARD.
- Refer to roof system manufacturer's written instructions, local code requirements and Factory Mutual Global (FMG) and/or Underwriters Laboratories (UL) requirements for proper installation techniques.
- FM Approved, Complies with requirements of FM 4450 and FM 4470, meets FM Class 1
- USG Securock® Gypsum Fiber Roof Board is engineered to perform within a properly designed roof system. The use of USG Securock® Gypsum Fiber Roof Board as a roofing component is the responsibility of the design professional.
- Consult roofing manufacturers for specific instructions on the application of their products to USG Securock® Gypsum Fiber Roof Board.
- Wind uplift (vertical pull) of the roof system as installed can be affected by many factors beyond USG's control, including moisture migrating into the roof assembly from inside or outside the building, proper fastener spacing, the quality of installation especially for fasteners and whether the framing has been properly designed and installed to meet strength and deflection criteria specified in the contract documents. For all these reasons, USG cannot guarantee the wind-uplift resistance (vertical pull) of any roof assembly or system containing USG roof boards.

2.2 SUBSTRATE BOARD, USG SECUROCK® GYPSUM FIBER ROOF BOARD

- A. Gypsum Fiber Roof Board ASTM C1278, “Standard Specification for Fiber-Reinforced Gypsum Panel.”
1. Basis of Design: Subject to compliance with project requirements, the design is based on the following: “USG Securock® Brand Gypsum Fiber Roof Board”.
 2. UL Type Designation “FRX-G”.
 3. ASTM D 3273: Mold Resistance: Score of 10 as rated according to ASTM D 3273.
 4. ASTM E96: [24] [26] [30].
 5. ASTM E84 Surface-Burning Characteristics:
 - 1) Flame Spread: 5.
 - 2) Smoke Developed: 0.
 6. ASTM E661 Flute Span-ability: [2 5/8” (66)] [5” (127)] [8” (203)].
 7. ASTM C518 R value: [0.2] [0.3] [0.5] [0.6].
 8. Compressive Strength: 1800 psi.
 9. Thickness: [1/4” (66.4)] [3/8” (9.5)] [1/2” (12.7)] [5/8” (15.9)].
 10. Length: [4’-0” (1219)] [8’-0” (2438)].
 11. Widths: 48” (1219).
 12. Weight: [1.57] [1.96] [2.76] [3.2] lb./ft².
 13. Bending Radius: [25’-0” (7620)] [30’-0” (9144)].
 14. Long Edges: Square.

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