

# Securock Gypsum-Fiber Roof Board

## Product Description:

Securock Gypsum-Fiber Roof Board is a high-performance roof board for use in low-slope roofing systems. Its unique, fiber-reinforced, homogenous composition gives the panel strength and water resistance through to the core. Securock Gypsum-Fiber Roof Board provides exceptional bond and low absorption in adhered systems and achieves high wind uplift ratings with no risk of facer delamination due to its homogenous composition.

## Packaging:

Securock Gypsum-Fiber Roof Board is shrink-wrapped and job site delivered.

## Features:

- **Exceptional Strength:** Engineered to provide superior wind-uplift performance for a wide variety of roof assemblies. Securock Gypsum-Fiber Roof Board has uniform composition providing enhanced bond strength of membrane systems with no risk of facer delamination.
- **Fire Performance:** Provides excellent fire performance and demonstrates exceptional surface burning characteristics (ASTM E84 Flame Spread 5, Smoke Developed 0).
- **Moisture and Mold:** Integral water-resistant core ensures excellent moisture and mold resistance.

## Application:

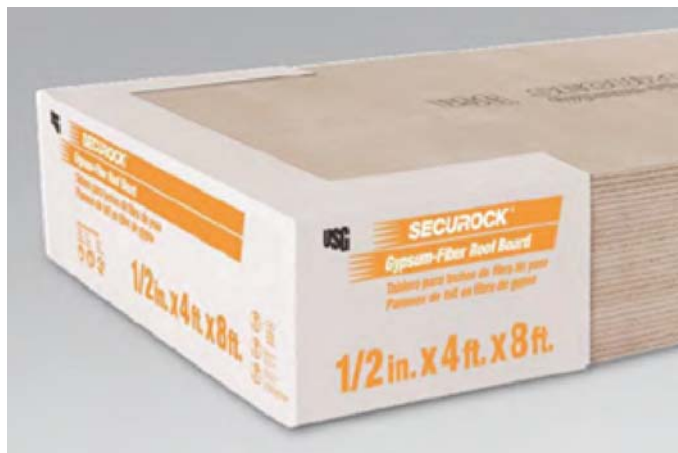
Securock Gypsum-Fiber Roof Board can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

## Limitations:

Keep Securock Gypsum-Fiber Roof Board panels dry before, during and after installation. Securock Gypsum-Fiber Roof Board should not be installed during rains, heavy fogs or any other conditions that deposit moisture on the surface of the board. Apply only as much Securock Gypsum-Fiber Roof Board that can be covered by final roof membrane system in the same day. Avoid exposure to moisture from leaks or condensation. Plastic or poly packaging applied at the plant to protect board during rail or other transit should be removed upon receipt to prevent condensation or trapping of moisture, which may cause application problems.

## Approvals:

- UL Classified as to Surface Burning Characteristics and Non-Combustibility in accordance with ASTM E84 (CAN/ULC-S102).
- 1/4", 1/2" and 5/8" Thickness – Class A in accordance with UL790 (CAN/ULC-S107)
- 5/8" thickness – Meets requirements of Type X per ASTM C1278 and may be used in P series designs as a thermal barrier.
- Complies with requirements of FM 4450 and FM 4470
- Meets FM Class 1



Typical Physical Properties			
Properties	1/4"	1/2"	5/8"
Width, standard	4'	4'	4'
Length, standard	8'	8'	8'
Pieces per unit for 4' x 8' sheet	50	30	24
Weight, nominal lbs. / unit 4' x 8' sheet	2,575	2,725	2,525
Weight, nominal lbs. / sq. ft.	1.57	2.76	3.20
Flexural strength, parallel, lbs. min. per ASTM C473	40	110	161
Compressive strength, psi nominal	1800	1800	1800
Flute spannability per ASTM E661	2-5/8"	8"	10"
Permeance, perms per ASTM E96	30	26	24
R Value per ASTM C518	0.2	0.5	0.6
Coefficient of thermal expansion, inches/inch · %RH, per ASTM D1037	8.0 x 10-6	8.0 x 10-6	8.0 x 10-6
Linear variation with change in moisture, inches/inch · %RH, per ASTM D1037	8.0 x 10-6	8.0 x 10-6	8.0 x 10-6
Water absorption, % max, per ASTM C473	10	10	10
Mold resistance per ASTM D3273*	10	10	10
Bending Radius	25'	25'	30'

\*ASTM D3273 Mold Resistance Testing – In independent lab tests conducted on Securock Gypsum-Fiber roof board and Securock Glass-Mat roof board at the time of manufacture per ASTM D3273 Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, both panels scored a 10. The ASTM lab test may not accurately represent the mold performance of building materials in actual use. Given unsuitable project conditions during storage, installation or after completion, any building material can be overwhelmed by mold. To manage the growth of mold, the best and most cost effective strategy is to protect building products from water exposure during storage and installation and after completion of the building. This can be accomplished by using good design and construction practices