

# Securock Glass-Mat Roof Board

## Product Description:

Securock Glass-Mat roof board is a high-performance roof board for use in mechanically attached low-slope commercial roofing systems. It enhances the durability of the entire roofing system when used as cover board in single-ply mechanically attached systems. Its specifically treated core and high-performance glass-mat facer provide protection against fire, mold and moisture.

## Packaging:

Securock Glass-Mat Roof Board is shrink-wrapped and job site delivered.

## Features:

- Fire Performance: Meets Factory Mutual (FM) Class 1 and Underwriters Laboratories (UL) Class A fire ratings for unlimited slope in fire barrier applications per UL 790.
- Easier to cut, handle, and install: High-quality mat produces less itchiness than competitive products.
- Moisture and Mold: Fiberglass face and back with treated core provides moisture and mold resistance. Scored a maximum “10” for mold resistance on ASTM D3273.

## Application:

Securock Glass-Mat roof board can be installed over approved substrates. Refer to IB Specifications and Construction Details for additional installation instructions.

## Limitations:

Keep Securock Glass-Mat roof board panels dry before, during and after installation. Securock Glass-Mat roof board should not be installed during rains, heavy fogs and any other conditions that deposit moisture on the surface of the board. Apply only as much Securock Glass-Mat 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
- 1/4”, 1/2” and 5/8” Thickness – Class A unlimited slope in accordance with UL790 (CAN/ULC-S107)
- FM Approved
- 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	42	30	30
Weight, nominal lbs. / unit 4' x 8' sheet	1688	1995	2667
Weight, nominal lbs. / sq. ft.	1.2	2.0	2.7
Flexural strength, parallel, lbs. min. per ASTM C473	40	80	100
Compressive strength, psi nominal	700-1000	700-1000	700-1000
Flute spannability per ASTM E661	2-5/8"	5"	8"
Permeance, perms per ASTM E96	18	18	16
R Value per ASTM C518	0.36	0.53	0.54
Coefficient of thermal expansion, inches/inch · %RH, per ASTM D1037	8.5 x 10-6	8.5 x 10-6	8.5 x 10-6
Linear variation with change in moisture, inches/inch · %RH, per ASTM D1037	6.3 x 10-6	6.3 x 10-6	6.3 x 10-6
Water absorption, % max, per ASTM C473	10	10	10
Mold resistance per ASTM D3273*	10	10	10
Bending Radius	4'	6'	9'

\*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