

Technical Data Sheet

Securock® Gypsum-Fiber Roof Board *IB Roof Systems®*

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 available in standard thicknesses of 1/4", 1/2", and 5/8" x 4' x 8' panels, 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: Integral water-resistant core provides moisture and mold resistance. Scored a maximum "10" for mold resistance on ASTM D3273.
- Covered component under the IB Total Systems Warranty

Application:

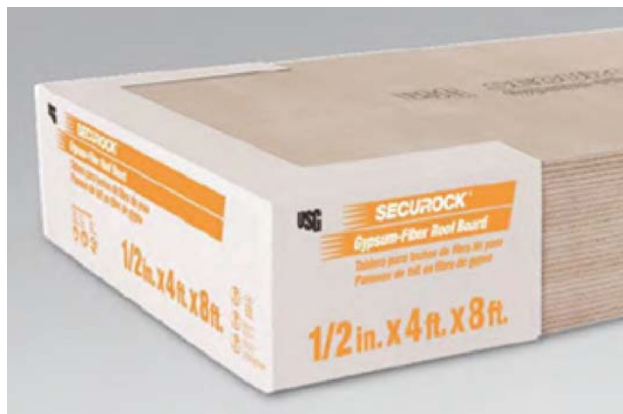
Securock® Gypsum-Fiber Roof Boards can be installed over approved substrates in mechanically attached, induction attached, fully adhered, or ballasted roof assemblies. Refer to IB Specifications and Construction Details for additional installation instructions.

Moisture Management:

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 and 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:

- ASTM C1278
- 5/8" thickness – Meets requirements of Type X per ASTM C1278 and may be used in P series designs as a thermal barrier.
- UL 790 Classification
- FM Approved
- Meets FM Class 1
- FM Standards 4450 and FM 4470



Typical Physical Properties*			
Property	1/4"	1/2"	5/8"
Thickness, nominal	1/4"	1/2"	5/8"
Pieces per unit for 4' x 8' sheet	50	30	24
Weight, nominal, lb. / sq. ft.	1.57	2.76	3.20
¹ R-value	.2	.5	.6
Surfacing	Fiberglass Mat	Fiberglass Mat	Fiberglass Mat
² Flexural Strength, parallel, lbf, min.	40	110	161
³ Flute Spanability	2-5/8"	8"	10"
⁴ Permeance, perms	30	26	24
Linear Variation with Change in Temp.	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶
Linear Variation with Change in Moisture	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶	8.0 x 10 ⁻⁶
⁵ Water Absorption, %, max	10	10	10
⁶ Compressive Strength, psi, nominal	1800	1800	1800
Surface Water Absorption, grams, nominal	<2.5	<2.5	<2.5
⁷ Flame Spread	5	5	5
⁷ Smoke Development	0	0	0
Bending Radius	25'	25'	30'

1. Tested in accordance with ASTM C518 (heat flow meter).
2. Tested in accordance with ASTM C473 method B.
3. Tested in accordance with ASTM E661.
4. Tested in accordance with ASTM E96 (dry cup method).
5. Tested in accordance with ASTM C1177.
6. Tested in accordance with ASTM C473.
7. Numerical ratings are not intended to reflect performance under actual fire conditions. Flame spread index of ≤ 75 and smoke development.
* Physical properties shown are based on data obtained under controlled conditions and are subject to normal manufacturing tolerances.

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