



SECUROCK® ROOF BOARD

SYSTEM ACCESSORIES

SECUROCK ROOF BOARD

SECUROCK Brand Roof Board is designed for low-slope roofing, using an advanced fiber-reinforced technology to provide superior performance and enhanced protection against moisture and mold. SECUROCK Roof Board enhances the bond strength of the membrane system to the board while providing superior wind-uplift performance.

FEATURES AND BENEFITS

- **Exceptional Strength:** Engineered to provide superior wind-uplift performance for a wide variety of roof assemblies. Because of its uniform composition with no face layers, SECUROCK Roof Board provides enhanced bond strength to membrane systems.
- **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. In independent lab tests, scored a maximum 10 per ASTM D3273, "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber".
- **Sustainability:** Made from 95% recycled materials and has earned independent certification from Scientific Certification Systems for this achievement. No VOCs are emitted once installed.

LIMITATIONS

- Keep panels dry before, during and after installation. Install only as much SECUROCK Roof Board as can be covered by a roof membrane system in the same day.
- Avoid accumulation of water due to leaks or condensation in or on SECUROCK Roof Board during and after construction. Avoid application of SECUROCK Roof Board during rains, heavy fogs and any other conditions that deposit moisture on the surface.
- Refer to the 2007 NRCA Roofing Manual: Membrane Roofing Systems or a qualified engineer to ensure proper moisture control, ventilation and suitability for application of fiber-reinforced gypsum roof cover boards.
- When applying solvent-based adhesives or primers, allow sufficient time for the solvent to evaporate in order to avoid damage to roofing components.

- USG recommends maximum asphalt application temperature for Type III asphalt of 450°F when using SECUROCK Roof Board. Application temperatures above these recommended temperatures may adversely affect the roof system performance.

Warning: Store all SECUROCK Roof Board flat. Panels are heavy and can fall over, causing serious injury or death.

TECHNICAL DATA

- **Surface Burning Characteristics:** SECUROCK Roof Board has a Flame Spread of 5 and Smoke Developed rating of 0, in accordance with ASTM E84 or CAN/ULC-S-102. UL-Classified and tested in accordance with FM 4450 and FM 4470.
- **Standards Compliance:** SECUROCK Roof Board is manufactured to conform to ASTM C1278, "Standard Specification for Fiber-Reinforced Gypsum Panel".

INSTALLATION

SECUROCK Roof Board may be fastened in accordance with an approved fastening pattern (see reverse) or secured with FAST™ 100 Adhesive, DASH™ DC Insulation Adhesive or mopped with Type III or IV Asphalt.

Edge joints should be located on and parallel to deck ribs. End joints of adjacent lengths should be staggered.

1. Shall be installed with ends and edges butted loosely.
2. Use maximum lengths possible to minimize number of joints. Support edge joints with deck ribs. Stagger end joints of adjacent lengths of SECUROCK Roof Board.
3. Where installed over combustible wood decks or insulations, all joints should be staggered.
4. In accordance with approved shop drawings, FM-approved fasteners should be installed with plates through the roof board, flush with the surface.
5. When attaching 725 Self-Adhering Air and Vapor Barrier, use SECUROCK Roof Board in conjunction with CCW-702 Primer or CAV-GRIP™ Primer.
6. Uninterrupted runs greater than 200' may require slight gapping due to thermal expansion.



SECUROCK ROOF BOARD

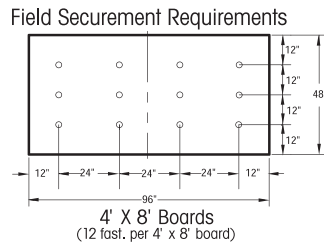
SYSTEM ACCESSORIES

SECUROCK Roof Board fastening criteria to conform with factory mutual (FM) ratings on Versico Fully Adhered Roofing Systems⁽¹⁾⁽²⁾⁽³⁾

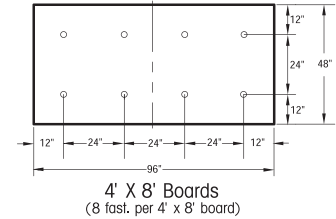
Notes:

1. For wind uplift/FMRC compliance where SECUROCK Roof Board is mechanically attached to metal decks. These products shall be installed to the specifics of the FMRC design assembly.
2. Contact Versico for fastening density requirements for other FM ratings available.
3. Metal insulation fastening plates must be used with their corresponding FM-approved fastener.
4. If parapets are min. 3' continuous around entire building, a 50% fastening increase is acceptable at corners.

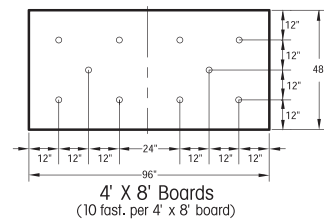
FM 1-75 1/4" SECUROCK Roof Board



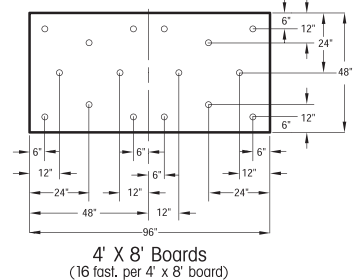
FM 1-90 5/8" SECUROCK Roof Board



FM 1-90 1/2" SECUROCK Roof Board



FM 1-90 1/4" SECUROCK Roof Board



Physical Properties

	SECUROCK ROOF BOARD			
	1/4"	3/8"	1/2"	5/8"
Thickness, nominal	6.6 mm	9.5 mm	12.7 mm	15.9 mm
Width, standard	4' (1220 mm)	4' (1220 mm)	4' (1220 mm)	4' (1220 mm)
Length, standard	4' (1220 mm) and 8' (2440 mm)	4' (1220 mm) and 8' (2440 mm)	4' (1220 mm) and 8' (2440 mm)	4' (1220 mm) and 8' (2440 mm)
Pieces per pallet for 4 x 8 sheets	50	40	30	24
Weight, nominal lbs./pallet 4 x 8 sheet	2,375	2,595	2,445	2,432
Weight, nominal lbs./sq. ft.	1.43	1.97	2.47	3.06
Weight per 4 x 8 sheet, nominal lbs./sheet	46	63	79	98
Flexural strength, parallel, lbs. min., per ASTM C473	40	70	110	161
Flute spanability per ASTM E661	2 5/8"	5"	8"	8"
Permeance, perms per ASTM E96	30	26	26	24
R-value per ASTM C518	0.2	0.3	0.5	0.6
Coefficient of thermal expansion, inches/inch °F, per ASTM E831	8 x 10 ⁻⁶	8 x 10 ⁻⁶	8 x 10 ⁻⁶	8 x 10 ⁻⁶
Linear variation with change in moisture, inches/inch %RH, per ASTM D1037	8 x 10 ⁻⁶	8 x 10 ⁻⁶	8 x 10 ⁻⁶	8 x 10 ⁻⁶
Water absorption, % max, per ASTM C473	10	10	10	10
Compressive strength, psi nominal	1250	1000	500	500
Surface water absorption, nominal grams, per ASTM C473	1.6	1.6	1.6	1.6
Mold resistance per ASTM D3273	10	10	10	10