



JM® SECUROCK® Glass-Mat Roof Board

Description

JM SECUROCK Glass-Mat Roof Board is a high-performance roof board comprised of a gypsum core and white glass-mat facer and back. The board is engineered for fire performance as well as mold and moisture protection.

Use

Ideal for use as a fire/thermal barrier. JM SECUROCK may also be used as a cover board in single ply, mechanically fastened roofing systems.

Code Approvals and Testing

FM Global Class I approvals. Underwriters Laboratories Inc. Class A fire ratings for unlimited slope in fire-barrier applications per UL 790. Miami-Dade County Product Control Approved NOA# 10-0506.03

Energy and the Environment

LEED®	Producing Locations
	Sweetwater, TX



Advantages

Fire Performance

- UL Classified as to surface burning and ASTM E136
 - Flame spread (0) and Smoke Developed (0).
 - Non-combustible core.
- Class A unlimited slope in accordance with UL 790
 - 1/4", 1/2" and 5/8" Thickness
- 5/8" thickness meets requirements of Type X per ASTM C1177 and may be used in P series designs as thermal barrier.

Handleability

- Unmatched mat-to-core tensile bond strength.
 - Easy cutting
 - Reduced facer delamination

Moisture and Mold Protection

- Fiber glass facer and back with treated core delivers moisture and mold resistance.

Typical Physical Properties

Meets the physical requirements of ASTM C 1177

	1/4" (6.6 mm)	1/2" (12.7 mm)	5/8" (15.9 mm)
Width, standard	4' (1,220 mm)	4' (1,220 mm)	4' (1,220 mm)
Length, standard	8' (2,440 mm)	8' (2,440 mm)	8' (2,440 mm)
Pieces/unit for 4' x 8' sheet	42	30	30
Weight, nominal lb/unit, 4' x 8' sheet	1,688	1,995	2,667
Weight, nominal lb/ft ²	1.2	2.0	2.7
Flexural strength, parallel, lb min., per ASTM C 473	40	80	100
Compressive strength, psi nom.	700 - 1,000	700 - 1,000	700 - 1,000
Flute spannability per ASTM E 661	2 5/8"	5"	8"
Permeance, perms, per ASTM E 96	18	18	16
R Value per ASTM C 518	0.36	0.53	0.54
Coefficient of thermal expansion, in./in. • °F, per ASTM E 831	x 10 ⁻⁶	x 10 ⁻⁶	x 10 ⁻⁶
Linear variation with change in moisture, in./in. • %RH, per ASTM D 1037	x 10 ⁻⁶	x 10 ⁻⁶	x 10 ⁻⁶
Water absorption, % max, per ASTM C 473	10	10	10
Mold resistance per ASTM D 3273*	10	10	10
Bending Radius, ft	4	6	9
Flame Spread, ASTM E84	0	0	0
Smoke developed, ASTM E84	0	0	0