

Meets the requirements of ASTM C 1278

Features

Strength: Engineered to provide high wind-uplift performance. 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. 5/8" thickness meets the requirements of Type X per ASTM C 1177.

Moisture and Mold Resistance: Integral water-resistant core scored a maximum "10" for mold resistance when tested per ASTM D 3273.



Component

B
Cover Board

Multi-Ply
Single Ply

Type

GY
Gypsum

LT
Low Thermal

System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP		SBS				
	HA	CA	HW	HA*	CA	HW	SA	MF	
									Compatible with the selected Multi-Ply systems above

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
										Compatible with the selected Single Ply systems above

Key: HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

Energy and the Environment

LEED®	Recycled Content	Pre-Consumer: 97% (SCS Certified)
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Peak Advantage® Guarantee Information

Systems	Guarantee Term*
When used in most 2-5 ply multi-ply or single ply systems	10, 15 or 20 years

* Contact JM Technical Services for specific systems or terms over 20 years.

Codes and Approvals



Installation/Application



Cold Applied



Urethane
Adhesive



Mechanically
Fastened

Refer to the Application Guides and Detail Drawings for instructions.

Packaging and Dimensions

Sizes	4' x 4' (1.22 m x 1.22 m) 4' x 8' (1.22 m x 2.44 m)			
Thickness (nom)	1/4" (6.35 mm)	3/8" (9.5 mm)	1/2" (12.7 mm)	5/8" (15.9 mm)
Weight/Board 4'x8' boards	50 lb (22.68 kg)	63 lb (28.58 kg)	88 lb (39.92 kg)	102 lb (46.27 kg)
Coverage/Pallet 4'x8' boards	1,600 ft² (148.7 m²)	1,280 ft² (118.9 m²)	960 ft² (89.2 m²)	768 ft² (71.4 m²)
Boards/Pallet 4'x8' boards	50	40	30	24
Pallet Weight 4'x8' boards	2,575 lb (1,168.0 kg)	2,575 lb (1,168.0 kg)	2,725 lb (1,236.0 kg)	2,525 lb (1,145.3 kg)
Pallets per Truck*	18	19	19	19
Producing Locations	Gypsum, OH			

* Assumes 48' flatbed truck.

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Typical Physical Properties

Test		ASTM	SECUROCK Gypsum-Fiber Roof Board			
			¼" (6.35 mm)	⅜" (9.5 mm)	½" (12.7 mm)	⅝" (15.9 mm)
Strength	Compressive Strength, psi (kPa), <i>nom</i>	C 1278	1,800 (12,411)			
	Flexural Strength, lb, parallel, <i>min</i>	C 473	40	70	110	161
	Bending Radius, ft (m), <i>max</i>	NA	25 (7.62)	25 (7.62)	25 (7.62)	30 (9.14)
Moisture	Moisture Vapor Permeance, perms (ng/(Pa•s•m²), <i>max</i>	E 96	30 (1,716)	26 (1,487)	26 (1,487)	24 (1,373)
	Water Absorption, % by wt, <i>max</i>	C 473	10			
	Surface Water Absorption, g, <i>nom</i>	C 473	1.6			
	Mold Resistance	D 3273	10			
Installation	Flute Span, in (cm), <i>max</i>	E 661	2 5/8 (6.7)	5 (12.7)	8 (20.3)	10 (25.4)
	Weight, lb/ft² (kg/m²), <i>nom</i>	NA	1.57 (7.67)	1.96 (9.57)	2.76 (13.48)	3.20 (15.62)
	Linear variation with change in moisture, in/in • %RH	D 1037	8 x 10 ⁻⁶			
	Coefficient of Thermal Expansion, in/in • °F	E 831	8 x 10 ⁻⁶			

Thermal Performance

Thickness		Nominal R-Value (Resistance)	
in.	mm	(hr•ft²•°F)/BTU	m²•°C/W
¼	6.35	0.2	0.04
⅜	9.5	0.3	0.05
½	12.7	0.5	0.09
⅝	15.9	0.6	0.11

Test	ASTM	SECUROCK Gypsum-Fiber Board
Flame Spread	E 84	5
Smoke Developed	E 84	0

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at www.jm.com/roofing. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

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