

Meets the requirements of ASTM C 1177

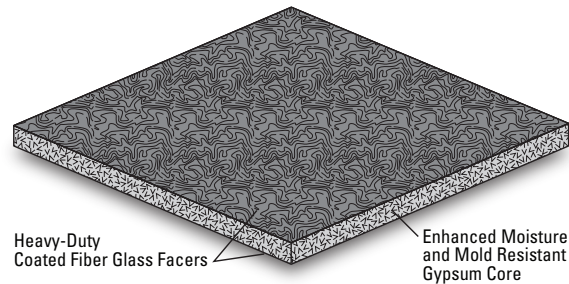
Features and Components

Handleability: Heavy duty coated fiberglass facer ideal for fully adhered systems improves handling and strength. Scores and snaps easily.

Strength: High compressive strength improves overall roof system performance. Ideal for systems where wind uplift and puncture resistance are a concern.

Fire Performance: FM Class 1 for fire barrier requirements and UL Class A unlimited slope with excellent surface burning characteristics. 5/8" thickness meets the requirements of Type X per ASTM C 1177.

Moisture and Mold Resistance: Enhanced mold resistant core and coated fiberglass facers provide mold and mildew resistance 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
*JM DEXcell FA should not be encapsulated in hot asphalt.

Peak Advantage® Guarantee Information

Systems	Guarantee Term*
When used in most multi-ply and 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



Refer to the Application Guides and Detail Drawings for instructions.

Packaging and Dimensions

Size	4' x 4' (1.22 m x 1.22 m)		
Thickness, nom	¼" (6.4 mm)	½" (12.7 mm)	⅝" (15.9 mm)
Weight/Board, nom	19 lbs (8.6 kg)	32 lbs (14.5 kg)	40 lbs (18.2 kg)
Coverage/Pallet	960 ft² (89 m²)	768 ft² (71 m²)	704 ft² (65 m²)
Boards/Pallet	60	48	44
Pallet Weight	1,200 lb (544 kg)	1,612 lb (731 kg)	1,964 (891 kg)
Pallets per Truck*	40	30	24
Size	4' x 8' (1.22 m x 2.44 m)		
Thickness, nom	¼" (6.4 mm)	½" (12.7 mm)	⅝" (15.9 mm)
Weight/Board, nom	38 lbs (17.2 kg)	64 lbs (29.0 kg)	80 lbs (36.3 kg)
Coverage/Pallet	1408 ft² (131 m²)	960 ft² (89 m²)	960 ft² (89 m²)
Boards/Pallet	44	30	30
Pallet Weight	1760 lbs (798 kg)	2016 lbs (914 kg)	2678 lbs (1215 kg)
Pallets per Truck*	27	24	18
Producing Location	Waukegan IL, Savannah, GA		

* Assumes 48' flatbed truck.

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DEXcell® is manufactured in the United States by National Gypsum Company.

Refer to the Safe for Use instructions and product label prior to using this product. The Safe for Use instructions are available by calling (800) 922-5922 or on the Web at www.jm.com/roofing.

Note: Technical information on this data sheet is intended to be used as a general guideline only and is subject to change without notice. Contact your JM Sales Representative for further details.

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Typical Physical Properties

Test		ASTM	DEXcell FA Glass Mat Roof Board		
			¼" (6.35 mm)	½" (12.7 mm)	⅝" (15.9 mm)
Strength	Compressive Strength, psi (kPa), <i>nom</i>	C 473	900 (6,205)		
	Flexural Strength, lb, parallel, <i>min</i>	C 473	40	80	100
	Bending Radius, ft (m), <i>max</i>	NA	4 (1.2)	6 (1.8)	8 (2.4)
Moisture	Moisture Vapor Permeance, perms (ng/(Pa•s•m²), <i>max</i>	E 96	25 (1,429)	24 (1,371)	23 (1,314)
	Water Absorption, % by wt, <i>max</i>	C 1177	10		
	Mold Resistance	D 3273	10		
Installation	Flute Span, in (cm), <i>max</i>	E 661	2 ⅝ (6.7)	5 (12.7)	8 (20.3)
	Weight, lb/ft² (kg/m²), <i>nom</i>	NA	1.2 (5.9)	2.0 (10)	2.5 (12)

Thermal Performance

Thickness	Nominal R-Value (Resistance)		
	in.	mm	(hr•ft²•°F)/BTU
¼	6.4	0.32	0.056
½	12.7	0.45	0.079
⅝	15.9	0.56	0.099

Test	ASTM	DEXcell FA Glass Mat Roof Board
Flame Spread	E 84	0
Smoke Developed	E 84	0