

Meets the requirements of ASTM C 1177

Features and Components

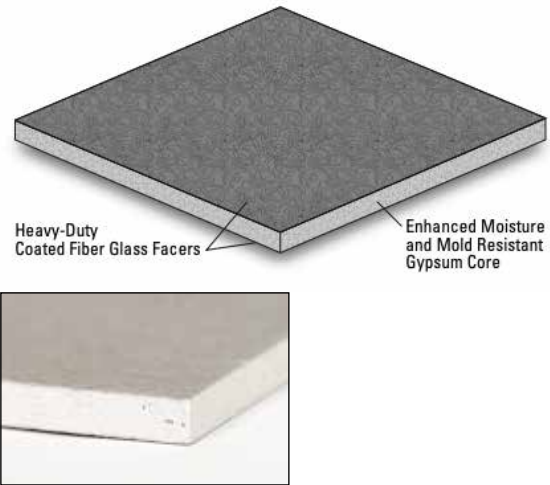
Very Severe Hail: Achieves FM 'VSH' approval with fully adhered JM 80 mil (smooth back) TPO membrane and standard JM TPO membrane adhesives, 4x4' panels can be adhered in JM Roofing System Urethane Adhesive ribbons, 12" OC min. JM TPO FB 115 or FB 135 may be adhered with JM Two-Part UIA in a splatter application, cover board may be mechanically fastened or adhered with adhesive in ribbons.

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	5/8" (15.9 mm)
Weight/Board, nom	47 lbs (21.3 kg)
Coverage/Pallet	704 ft² (65 m²)
Boards/Pallet	44
Pallet Weight	2,152 (976.1kg)
Pallets per Truck*	22
Size	4' x 8' (1.22 m x 2.44 m)
Thickness, nom	5/8" (15.9 mm)
Weight/Board, nom	93 lbs (42 kg)
Coverage/Pallet	960 ft² (89 m²)
Boards/Pallet	30
Pallet Weight	2784 lbs (1262 kg)
Pallets per Truck*	17
Producing Location	Waukegan IL, Medicine Lodge, KS

* Assumes 48' flatbed truck.

DEXcell® is registered trademark of 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.



DEXcell FA VSH™ Glass Mat Roof Board

Heavy-Duty Coated Glass Mat Faced Gypsum Cover Board

Meets the requirements of ASTM C 1177

Typical Physical Properties

Test		ASTM	5/8" (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	100
	Bending Radius, ft (m), <i>max</i>	NA	8 (2.4)
Moisture	Moisture Vapor Permeance, perms (ng/(Pa•s•m²), <i>max</i>	E 96	23 (1,314)
	Water Absorption, % by wt, <i>max</i>	C 1177	≤ 5%
	Mold Resistance	D 3273	10
Installation	Flute Span, in (cm), <i>max</i>	E 661	8 (20.3)
	Weight, lb/ft² (kg/m²), <i>nom</i>	NA	2.9 (14)

Thermal Performance

Thickness		Nominal R-Value (Resistance)	
in.	mm	(hr•ft²•°F)/BTU	m²•°C/W
5/8	15.9	0.5	0.087

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

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit www.jm.com/terms-conditions.