## Product Information Bulletin 274

## PlastiSpan M-Drainage Insulation Board



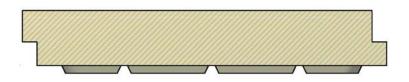
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## **Product Information Bulletin**

## PlastiSpan® M-Drainage Insulation Board

**PlastiSpan<sup>®</sup> M-Drainage Insulation Board** is a closed cell moulded expanded polystyrene (EPS) insulation manufactured to CAN/ULC-S701, **Standard for Thermal Insulation, Polystyrene, Boards and Pipe Covering. PlastiSpan M-Drainage Insulation Board** is available in M-30 and M-40 strength grades. Material properties exceed requirements for CAN/ULC-S701, Type 3.

**PlastiSpan M-Drainage Insulation Board** can be used as a component in roof assemblies to provide drainage when installed over the roof membrane or to promote ventilation when installed under the roof membrane. Other product applications include use as a drainage board applied against foundation walls and beneath landscaping placed on roofs or in planters.





Drainage grooves are incorporated into the bottom surface of the board to provide a capillary break and direct water flow to drainage locations. A shiplap on all four edges eliminates thermal breaks at joints to ensure consistent insulation coverage.

Material Property	Test Method	Units	Material Properties	
			M-30	M-40
Compressive Resistance	ASTM D1621	kPa	210	276
Minimum @ 10% Deformation		(psi)	(30)	(40)
Compressive Modulus		kPa	7,500	10,000
Minimum		(psi)	(1,088)	(1,450)
Thermal Resistance Minimum per 25 mm (1 inch)	ASTM C518	m²•°C/W	0.74	0.75
		(ft²•h∙°F/BTU)	(4.27)	(4.3)
Flexural Strength Minimum	ASTM C203	kPa	345	414
		(psi)	(50)	(60)
Water Vapour Permeance Maximum	ASTM E96	ng/(Pa⋅s⋅m²)	130	90
		(Perms)	(2.26)	(1.5)
<b>Dimensional Stability</b> Maximum (7 Days @ 70 ± 2 °C)	ASTM D2126	% Linear Change	1.5	1.5
Water Absorption Maximum	ASTM D2842	% By volume	2.0	<1.0
Limiting Oxygen Index Minimum	ASTM D2863	%	24	24
	Standard Di	mensions		
Width	Length		Thickness	
610 mm (2 ft.)	2440 mm (8 ft.)		50 or 75 mm (2 or 3 in.)	

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