

# **Product Information Bulletin**

# **274**

## **PlastiSpan**

## **M-Drainage**

## **Insulation Board**

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BULLETIN NO.

274

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### PlastiSpan® M-Drainage Insulation Board

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