

Product Information Bulletin

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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 Preparty	Test Method	Units	Material I	Material Properties	
Material Property	rest wethou	Units	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	ASTM C518	m²₌°C/W	0.74	0.75	
Minimum per 25 mm (1 inch)		(ft²•h•°F/BTU)	(4.27)	(4.3)	
Flexural Strength	ASTM C203	kPa	345	414	
Minimum		(psi)	(50)	(60)	
Water Vapour Permeance	ASTM E96	ng/(Pa·s·m²)	130	90	
Maximum	ASTIVI E90	(Perms)	(2.26)	(1.5)	
Dimensional Stability Maximum (7 Days @ 70 ± 2 ℃)	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.)		