

CHEMPLAN PVC MEMBRANE

PVC WATERPROOFING MEMBRANE

DESCRIPTION

CHEMPLAN PVC waterproof membrane is a high performance waterproofing sheet manufactured using PVC resin as its primary material, compounded with appropriate proportions of plasticizer, anti-UV agent, and stabilizer, then produced through an extrusion moulding process. Due to its unique product formulation, the service life of this membrane is significantly longer than conventional waterproofing materials, thereby extending the overall service life of the entire waterproofing system.

PRODUCT FEATURES

- ➞ Superior elongation, tension, and minimal change under heat treatment.
- ➞ Excellent root resistance, suitable for use in green roof and planter roof applications.
- ➞ Outstanding puncture resistance, impact resistance, and chemical corrosion resistance.
- ➞ Anti-UV properties to minimise heat absorption.
- ➞ Good capacity for water vapour diffusion.

APPLICATION INSTRUCTIONS

Pre-Paving: Prepare the site and pre-pave the membrane according to the specific situation. For installations on profiled steel roofs, ensure the membrane is laid perpendicular to the direction of the steel sheets. Secure the membrane using the appropriate design tools and cut as necessary to fit the installation area.

Welding: Weld the membrane joints using a welding gun or machine, following the relevant standards and guidelines.

Special Fixation and Sealing: After the large area construction is completed, provide extra fixation and apply sealant around deformation joints, skylights, and areas extending out of the roof to ensure proper sealing.

APPLICATION METHOD

Model	H	L	P
Width	1.0mm	–	2.0mm
Length	15m	20m	25m
Thickness	1.2mm	1.5mm	2.0mm

TYPE



WATER
PROOFING

ADVANTAGES



CHEMICAL
RESISTANT



PUNCTURE
RESISTANT

COMPONENT

1

PART

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TECHNICAL SPECIFICATION

Properties		H	L	P	
✓	Maximum Tension (N/CM) ≥	–	200	150	
✓	Tensile Strength (Mpa) ≥	10.0	–	–	
✓	Maximum Tension Rate (%) ≥	–	–	15	
✓	Break Elongation (%) ≥	200	150	–	
✓	Low Temperature Bending	25°C, no crack			
✓	Anti-Impact	4.9 N·m 0.5 kg·m impervious0.5kg·m, impervious			
✓	Impermeability	0.3 MPa, 2h, pass			
✓	Connecting Joint Peel Strength (N/MM) ≥	4.0 or membrane destroyed		3.0	
✓	Water Absorption (70°C, 168h)/% ≥	After immersed in water ≤	4.0		
		After hanging in air ≥	-0.40		
✓	High Temperature Aging Treatment	Appearance	No bubble, crack, delamination, bonding or holes		
		Max tension preserving rate% ≥	85	85	85
		Max tension elongation retain% ≥	85	-	80
		Low temperature bending	-20°C, No crack		
✓	Chemical Resistance (appearance)	No bubble, crack, delamination, bonding or holes			

Legal Notes:
‘Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product’s suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.’

Made In Malaysia



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SCOPE OF REGISTRATION AND STANDARDS
Manufacture of Waterproofing materials. Compliance SIRIM testing. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard.

