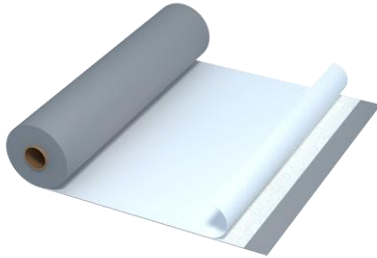


Polyvinyl chloride waterproofing membrane



Weberdry PVC is a polyvinyl chloride, high-polymer waterproofing membrane with excellent performance. Weberdry PVC has high tensile strength, small shrinkage and long service life.

PRODUCT BENEFITS



EXCELLENT STRENGTH



EASY APPLICATION



EXCELLENT ELONGATION

USES

Weberdry PVC is suitable for waterproofing, and moisture-proofing works for roofs of various industrial and civil buildings, basements, hydraulic projects, rail transport projects, underground utility tunnels, grain depots, swimming pools, ponds, etc.

ADVANTAGES

- Excellent weathering resistance
- High elongation
- Easy to apply, high welding strength
- Great flexibility
- Excellent chemical corrosion resistance
- Good plasticity

TECHNICAL DATA & PHYSICAL PROPERTIES

Type	Thickness (mm)	Width (m)	Length (m)	Overlap area
H (Homogeneous), L (Backed with fabric), P (Reinforced with polyester), G (Reinforced with glass fiber), GL (Backed with fabric and reinforced with glass fiber)	1.2, 1.5, 1.8, 2.0	2	20	Welding

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

PROCEDURE & APPLICATION



Application

Mechanically fastened: Clean the substrate and place the vapour control layer. Bond the thermal insulation board to the vapour control layer. Pre-apply Weberdry PVC and fix it. Perform overlapping treatment and reinforce the details.

Fully adhered: Clean the substrate and pre-apply Weberdry PVC. Apply the adhesives then bond the membrane to the substrate. Perform overlapping treatment and reinforce the details. Apply termination treatment.

Loose laid: Clean the substrate and pre-apply Weberdry PVC. Perform overlapping treatment and reinforce the details.

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STORAGE & PACKING

Weberdry PVC is available in rolls of 20m x 2m.
Weberdry PVC should be stored in a sheltered area protected against sunlight and UV radiation. Rolls should be stored in a vertical position on a smooth floor so as not to damage the edges.

TECHNICAL DATA & PHYSICAL PROPERTIES

Standard: GB 12952-2011 "Polyvinyl chloride plastic sheets for waterproofing"

Item	Requirement					
	H	L	P	G	GL	
Overall thickness	-	1.53	-	-	-	
Tensile properties	Tensile strength, MPa \geq	10.0	92.5	-	10.0	-
	Breaking strength N \geq	-	955	-	-	-
	Elongation at break, % \geq	200	25.4	-	200	100
Tearing strength N \geq	-	325	-	-	-	
Size change after heat treatment, % \leq	2.0	-	0.5	0.1	0.1	
Bending performance at low temperature	Pass					
Resistance to static puncture	Pass					
Resistance to dynamic puncture	Pass					
Linear dimensional change, % \leq	0.13					
Artificial accelerated weathering	Time, h	2500				
	Appearance	No bubble, no crack, no delamination, no bonding and no holes				
	Maximum tensile stress retention, % \geq	-	85	85	-	85
	Tensile strength retention, % \geq	85	-	-	85	-
	Elongation at maximum tensile stress retention, % \geq	-	-	80	-	-
	Elongation at break retention, % \geq	80	80	-	80	80
Bending performance at low temperature	No crack at -20 °C					

TECHNICAL DATA & PHYSICAL PROPERTIES

Tensile Strength (N/50mm)
(BS EN 12311 -2: 2013, Method A)
Elongation at Break (%)
(BS EN 12311 -2: 2013, Method A)
Watertightness Test
(BS EN 1928: 2000, Method B)

Longitudinal - 1154.0N/50mm
Transverse - 1077.7N/50mm
Longitudinal - 336%
Transverse - 322%

Before ageing		≥ 1.2 N/mm ²
After immersion for 28 days at (21 to 25)	10% NaOCl	No Leakage (Remain Watertight)
	Saturated Lime	
	5-6% H ₂ SO ₃	

Foldability
(BS EN 495-5: 2013)
Resistance to Static Loading
(BS EN 12730: 2015, Method A)
Resistance to Static Loading
(BS EN 12730: 2015, Method B)
Resistance to Impact
(BS EN 12691: 2018, Method A)
Resistance to Impact
(BS EN 12691: 2018, Method B)
Dimensional Stability (%)
(BS EN 1107 - 2: 2001)
Shear Resistance of Joints
(BS EN 12317-2: 2010)
Density of Moisture Flow Rate
(BS EN 1931: 2000, Method B)
Unit Conversion
(BS EN 1931: 2000, Method B)
UV Exposure
(BS EN 1297: 2004)

No visible crack or fracture
No cracks occurred after 10 cycles at 1mm
Hard support - No Puncture

Soft support - No Puncture

Hard Support - 1000 (No Leakage & Puncture)

Soft support - 2000 (No Leakage & Puncture)

Longitudinal - -0.22%
Transverse - -0.14%
667N/50mm

3.90 x 10⁻¹⁷

1.402g/m².s

No Cracking, Chalking, Blistering, or Peeling Decay and Delamination

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*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Oct '24)

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