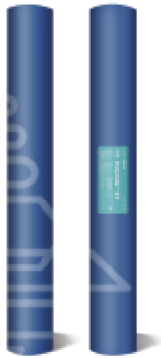


Polymile™ ST

PVC WATERPROOF MEMBRANE

Technical Data Sheet



✓ DESCRIPTION

Polymile ST is a high performance polymer waterproofing membrane based on polypropylene(PP) and high quality polyvinyl chloride materials researched and developed through Innovative technology. It is resistant to ultra violet rays. Add various special additives and anti-aging components, anti-puncture from the plant root by physical performance, no chemical inhibitor or harmful components to root and eco-friendly.

TYPES:

- ◆ H (Homogeneous).
- ◆ L (Felt backing) - To be applied to concrete substrate for full adhesion waterproofing system.
- ◆ P(Reinforced with PE web) - To be applied as a single ply roof waterproofing system by mechanical fastening.

✓ APPLICATIONS.

- ◆ Top of the basement.
- ◆ Refurbishment Waterproofing system.
- ◆ Tunnel, pond construction.

✓ ADVANTAGES

Easy for installation and dimensional stability, can be installed on damp substrate, high tensile strength elongation, good adaptability to temperature and weather differences, high mechanical resistance, resistant to microbiological attacks, vapour permeability, 2 meters width reduces the joints and labour cost.

✓ INSTALLATION PROCEDURES

- ◆ Surface Preparation
Horizontal Installation of Polymile ST on concrete surfaces or blinding surfaces must be free from any sharp protrusions, oil, grease, clean, dry, and other contaminants. Polymile ST can be installed on damp substrate.
- ◆ Installation
Vertical Sheet piling

Polymile ST can be used for blind side waterproofing after either using geniling, concrete, or plywood, other suitable material to provide uniform surface for membrane installation.

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MEMBRANE INSTALLATION

Polymile ST should be overlapped using steel roller to ensure complete bonding and to achieve continuity. It's can be installed at temperatures of -5°C and above. When Install it in cold weather, care should be taken to pre-heat the bonding edge with appropriate means such as hot air gun or other similar method.

The membrane should be aligned against the previous laid sheet allowing for 120 mm edge laps and 80 mm end lap.

✓ **STORAGE**

Polymile ST should be stored in cool and dry place and has a shelf life of 12 months, and must be stored in an upright position.

✓ **SUPPLY**

- ◆ 2.0m×20m/ Roll
- ◆ T=1.2/1.5/2.0mm

PHYSICAL PROPERTIES

No.	ITEM		TEST RESULT	TEST METHOD
1	Thickness, mm		Overall thickness of PVC sheet	1.50
2	Breaking strength, N		MD	628
			CD	500
3	Elongation at break, N		MD	235
			CD	261
4	Heat aging	Retention of breaking strength, %	MD	110
			CD	105
	Retention of elongation at break, %	MD	91	
		CD	106	
5	Tear resistant, N		MD	85.6
			CD	63.7
6	Low temperature bend (-40°C, φ10mm)			pass
7	Linear dimensional change, %(80°C, 6h)		MD	0.9
			CD	0.4
8	Change in weight after immersion in water, %			1.2
9	Static puncture resistant (15kg, 24h)			pass

ASTM D 4434/ D 4434M-15