SEALOPOL

MINERAL SURFACED BITUMINOUS WATERPROOFING MEMBRANE

DESCRIPTION

SEALOPOL is a high performance polymer modified plastomeric bituminous waterproofing membrane, surfaced with reflective natural colour slates to provide maximum protection against UV. The presence of the slates provides a mechanical protection against light foot traffic and occasional maintenance as well as offering an aesthetic surface. It is an ideal membrane for roofing and exposed applications where it can be placed on top of the existing surface and providing an economical and efficient solution to leaking roofs.

USES

SEALOPOL may be used for the waterproofing of roof decks, slabs, basement, foundations, tanking work, waste-water canal lining, sewerage tank linings, etc.

APPLICATION

The application temperature should be within 4˚C to 45˚C.

Surface Preparation

The surface shall be cleaned thoroughly from all contaminants, oil, grease, dust and laitances. All surface imperfections, protrusions and friable concrete must be removed and repaired with a suitable concrete repair mortar.

Priming

Apply **CHEMCOAT SB, CHEMFLEX-CR100** or any other equivalent bituminous primer at a rate of 4 to 6 m^2/L to a clean, smooth and dry surface by brush, roller or spray. Allow the primer to dry prior to the application of the membrane.

Positioning

Position rolls, then unroll membrane in place where it has to be torched later. Place subsequent roll next to the first, overlapping the first by a minimum of 100 mm. Re-roll the membrane without changing the given orientation, then slowly unroll and commence by heating the surface.

Torching

SEALOPOL membranes are installed by using a cylinder-fed propane gas torch. Use of hand-held roofing torch is highly recommended as it affords a good control. If multiple burner torching machines are utilized, care must be taken to ensure the application of uniform heat and avoid overheating of the membrane. Lap joints have to be properly sealed and bleed-outs may be smoothened by means of a rounded trowel. End joints should be made with a minimum of 150 mm overlap. Do not attempt to reseal by torching the top surface of the membrane. Be sure to heat the entire roll evenly, not just the lap areas, with extra concentration at the laps.

***CAUTION**: Do not over-torch as this will expose the reinforcement in the membrane and cause damage to it.*

ADVANTAGES

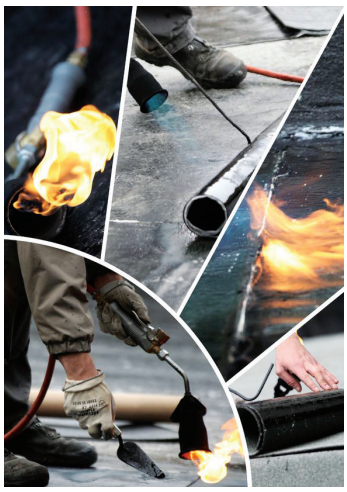
- High resistance to positive water and vapor pressure.
- Good dimensional stability under tension.
- Good flexibility & can accommodate structural movements.
- Anti-root.
- High puncture and fatigue resistance.
- Resists water-borne chemicals.
- High heat resistance.

Up-Stand

All angles and abutments should be sealed with extra care to ensure full bonding. **SEALOPOL** shall be lapped with the base membrane and taken up on the parapet wall and tucked into a groove cut into the concrete. The grooves shall be sealed with a suitable mastic sealant (POLYSEAL 1PUA).

STORAGE AND SHELF-LIFE

SEALOPOL rolls whether loose or on pallets have to be stored vertically in a shaded area neatly covered by a thick fabric and tied securely in a manner that will minimize exposure to sunlight and UV. Do not stack pallets on top of each other. The membranes shall be protected from all sources of heat and extreme temperatures. The shelf-life is 12 months if stored as per recommendations. Excessive exposure to sunlight, UV and other sources of heat will results in considerable deterioration of the product and reduce its shelf-life.



TYPE

WATER PROOFING

ADVANTAGES

ANTI ROOT | HIGH TENSILE | PUNCTURE RESISTANT

COMPONENT

1 PART

SEALOPOL

MINERAL SURFACED BITUMINOUS WATERPROOFING MEMBRANE

TECHNICAL SPECIFICATION

Properties	Method Of Test	Values	
		SEALPOL 3P	SEALPOL 4P
Membrane thickness ± 5% [mm]	ASTM D751	3.0	4.0
Mass per unit Area, [kg/m^2]	DIN EN 1849-1	3.8 - 4.0	4.8 - 5.0
Reinforcement Polyester, [gsm/m^2]	DIN EN 29073-1	250	200
Softening Point (R+B) of Coating Mixture, [°C]	ASTM D36	180	
Penetration @ 25°C of coating mixture, [0.1 mm]	ASTM D5	18 - 23	
Flexibility at low temperature, [°C]	UAE tc	-5	
Tensile Strength, [N/5cm]	BS EN 12311	613	500
Elongation at Break, [%]	BS EN 12311	35.9	29.4
Shear Resistance at Joints, [N/5cm]	DIN EN 12317-1	800	700
Tear Resistance, [N]	DIN EN 12310-1	250	200
Resistance to Static Loading	DIN EN 12730	25 kg	20 kg
Impact Resistance, [mm]	DIN EN 12691	1250 mm	1000 mm
Water Absorption [BSP], [%]	ASTM D 5147	0.20	
Watertightness Resistance	BS EN 1928	No Water Penetrated	
Water Vapour Transmission, [g/m^2 /24 hours]	ASTM E 96	0.01	

SIZE AND FINISHING

SEALOPOL membranes come in either 3 mm or 4 mm thickness. Finishes can be HDPE film finish, Sand finish or Slated (Mineral) finish. Please contact our Sales Department for further information.

For **3 mm** thickness:
• 25 rolls per pallet.

For 4 mm thickness:
• 25 rolls per pallet.

PACKAGING

1 m x 10 m x 3.0 mm (Sand),1 m x 10 m x 4.0 mm (Sand)
1 m x 10 m x 3.5 mm (Slated), 1 m x 10 m x 4.0 mm (Slated)
1 m x 10 m x 3.0 mm (HDPE Film)

**note: available for customize orders only*

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.'

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard. SIRIM certification is available for selected products upon request, subject to applicable testing and certification requirements.

Made In Malaysia

CHEMIND

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SIRIM

ASTM INTERNATIONAL Standards Worldwide

CHEMIND AUSTRALIAN TECHNOLOGY

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