

REC SEAL 27

LOOSE LAID POLYPROPYLENE MONOMER WATERPROOFING MEMBRANE

DESCRIPTION

REC SEAL 27 is a flexible polypropylene monomer synthetic membrane for the waterproofing of tunnels and below ground structures. The membrane is manufactured in two different colors; it is colored light grey on top and black on the underside. This helps to identify any damages that may occur during application.

PRIMARY APPLICATIONS

Provides a continuously loose laid waterproof membrane system for building and civil engineering structures that include:

- Basement waterproofing.
- Tunnel waterproofing.
- Podiums and covered roof waterproofing.

FEATURES/BENEFITS

- Cold applied.
- Good resistance to puncturing
- Fast application
- Welded joints for maximum water-tightness

TECHNICAL INFORMATION

Thickness (EN 1849-2)	1.2mm, 1.5mm, 2mm and 3mm				
Standard colors	Upper layer: Light Grey Underside: Black				
Tensile strength (N/mm ²) (ASTM D412 and EN 12311-2)	Transversal		Longitudinal		
	15		16.5		
Elongation at break (ASTM D412 and EN 12311-2)	>300%		>300%		
Puncture resistance (EN 12236)	mm	1.2	1.5	2.0	3.0
	KN	1.2	2.6	2.9	>3
Tear resistance (EN 12310-1)	mm	1.2	1.5	2.0	3.0
	N	>220N	>340N	>460N	>1000
Water impermeability (EN 1928)	Pass test				
Water vapor transmission: (ASTM 96)	Nill				
Lap joint strength: (EN 12317 and UEATc)	>1000N/50mm (broken out joint)				
Cold flexibility: (EN 495-5 at <-3°C)	Pass				
Root resistance: (EN TS14416)	Pass test - no penetration				

DIRECTIONS FOR USE

SURFACE PREPARATION

Surfaces should be free from cavities and projecting nibs. All surfaces shall be free from running water.

APPLICATION

The membrane layers shall be overlapped to achieve a minimum weld of 50 mm. Hot-air welding may be carried out manually or using automatic welding machines. For vertical applications, **REC SEAL 27 Fitters** shall be welded to the **REC SEAL 27 membrane**. **REC SEAL 227 Fitters** are of 80 mm diameter PVC ribbed discs. For water stop compartment systems, **REC SEAL 27 Flanges** shall be used and connected to hoses to allow future resin injection, if required. **REC SEAL 27 Flanges** are of 182 mm diameter PVC flanges fitted with a connector pipe. Compartments are created using REC WATERSTOPS.

For further information regarding installation procedures and any technical assistance, please contact technical representatives of RECKON CHEMICALS PVT LTD., Lahore.

LIMITATIONS

If left exposed to heat, direct sunlight or UV light a change of color may result and some physical properties may change.

PACKAGING

REC SEAL 27 all thicknesses are available in 2.10 m wide x 25 m long rolls

STORAGE

Stored in a cool, dry store away from sources of heat in the original unopened packaging. Store rolls horizontally, not more than one pallet high.

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