

Empeyonate SWP-104 (PU Modified)

Technical Data Sheet

Empeyonate SWP-104(PUM) is a single component polyurethane membrane system. It is in a liquid medium which will react with the atmospheric moisture while coating to provide a tough elastomeric waterproofing membrane.

Product Uses

- All types of roofs, balconies and decks
- Retaining walls and basements
- Waterproofing, repair and rust protection for gutters, troughs and tanks
- Waterproofing and protection of parapet walls and flashings
- Waterproofing of external areas such as suspended structures
- Basements, tanking & facades
- Lining faulty gutters and down-pipes
- Wash rooms, shower and bathrooms

Product Benefits

- Protects structure from water penetration
- Suitable for all climates
- Permits expansion and contraction
- Eliminates lapping, seaming and precutting
- Highly elastic, cures to give a permanently flexible resilience
- Excellent resistance to oxidation and embrittlement
- Mechanical damage to the membrane can be easily repaired by spot application
- Excellent adhesion can be applied to a wide range of substrates.

Technical Information

Typical Properties	
Colour	Grey and Customized
Appearance	Viscous liquid
Viscosity at 25 °C(cps)	6500 ± 1000
Specific Gravity at 25°C	1.03 ± 0.01
Non volatile content	>95%
Hardness Shore A ASTM	75
Tensile strength ASTM D412	>1.5 MPa
Elongation @ break ASTM D-412	399%
Water vapour transmission ASTM E96	<1 g/(m ² /day)1.5mm
Density DIN:ENISO-545	838.3 kg/m ³
Stress @100% Elongation ASTM D-412	2.18mPa
Stress @300% Elongation ASTM D-412	4.26mPa
Tear Propagation DIN:ISO 34-1	39.8Kn/m
Abrasion resistance DIN:53516	133.2mm ³

Packaging



5 ltr

10 ltr

20 ltr

Shelf Life

Six months (If kept carefully in unopened condition)

Handling and Storage

It should be stored in a dry and cool place away from direct sunlight. To get the optimal shelf life, container should be stored in an inverted position.

Surface Preparation

The surface to be applied should be dry, clean and free from oil and grease. Loose particles should be removed and damaged spots repaired first. Cracks should be filled up using cement or polymer paste with filler. Primer is recommended to improve the adherence of Empeyonate SWP-104(PUM) membrane on the substrate as a primer coat.

Application

Empeyonate SWP-104(PUM) should be applied by brush or trowel. This is in addition to the preparatory work. The minimum application life (after opening the pack) is up to 48 hours if stored in closed containers. On a vertical surface a film build of 1.3mm is achievable in two coats. In critical applications where surety of film thickness is paramount, two coats should be applied at right angles to one another. Quantities per coat should be gauged to give the specified final film thickness.

Coverage

1 kg per m² (approx) for 1 mm thickness depending upon the surface condition.



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Health and Safety Advice

Some people are sensitive to resin systems. Gloves and a barrier cream such as Kerodex Antisolvent, Wet-Work should be used when handling these products. If contact with the resin occurs it must be removed before it hardens with a resin removing cream such as kerocleanse Standard grade Skin cleanser or Rozaklens Industrial Skin cleanser. Follow by washing with soap and water. Do not use solvent. The use of goggles is recommended but should accidental eye contamination occur, wash thoroughly with plenty of water and seek medical advice. Ensure adequate ventilation when using resin and solvent containing materials.

Disclaimer:

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