MAKPHALT
Protecting Nation's Infrastructure
by M.K. PETRO PRODUCTS

MAK ELASTOCRYL EMW

PU ACRYLIC BASED WHITE ELASTOMERIC WATERPROOFING MEMBRANE

DESCRIPTION :

Mak Elastocryl EMW is a fiber reinforced elastomeric liquid applied waterproofing membrane. It is formulated with PU hybrid polymers and reinforcing acrylic fibers. Upon curing, it forms a thick, seamless, durable membrane thus offering ultimate waterproofing

KEY FEATURES & BENEFITS :

- Ready to use single component compound.
- Crack bridgingcapability around 2 mm.
- Non-Flammable, water based, non-toxic, odourless.
- It has a thixotropic consistency and may be used on horizontal as well as vertical surfaces. The Consistency allows it used on horizontal or vertical surfaces.
- Good Elongation properties to ensure elasticity and any thickness can be developed.
- Forms a tough film giving good weather and ageing resistance

AREAS OF APPLICATION:

- As weatherproof protective and decorative coatings for exterior masonry, concrete, cement sand rendered all types of exterior walls, etc.
- Roof decks and walls [either concreteor mortar, wood or metal]
- Can be applied over spray applied PU foam and other materials that are UV degrading.
- For waterproofing of slopey roofs.
- It can be used on all types of drywall surfaces like gypsum, cement fibre boards etc.

Application Procedure:

Surface preparation

- The surface should be cleaned and must be free from grease, oil and loosely adhering particles. All surfaces must be as flat as possible.
- Repairing of crackss hould be done by opening them in V-groves and using mortar modified with Mak Crete acrylic polymer or Crack-O-Fill to fill the cracks.

Priming

- A layer of Mak Elastocryl EMW Primer is provided before laying the compound by diluting Mak Elastocryl EMW with 50-60% water.

Liquid membrane application

- Mak Elastocryl EMW can be applied by brush, roller or spray after dilution with 10-15% water if required to achieve thixotropic consistency.
- MAK Elastocryl EMW is required to be laid in a minimum thickness of 1.5 mm and three coats of the product. After laying 1st coat 5-6 hours should be allowed to get it dry, then the 2nd coat and after that the 3rd coat to be applied in the same fashion and thereafter leaving the surface on nature cure.

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Reinforcement

- Fiber-glass mesh reinforcement of 40-45gsm between the two layers is suggested for improved tensile strength and stability.
- Fiber glass reinforcement should be used between the layers over surface cracks of over 1.5mm. The reinforcement must be placed over first coat when it is tacky and should not be visible after the application of second or third coat.
- Apply Acrylic Primer to clean floor with roller, brush and squeegee. Allow to dry until a clear film appears. The primer is dry when all milkiness disappears.

PACKING :

- Available in 1Kg, 5Kg, 10 Kg and 25 Kg Drum.

Technical Specifications:

Properties	Values
Form	Ready to use viscousliquid
Application temperature	5°C to 35°C
Appearance	Viscous Liquid
Colour	White
Specific Gravity	1.15 gm/cc
Water Resistance	10
Alkali Resistence	8
Viscosity Sormer	124-138 KU
Solids by wt.%	50.5 to 55.90%
Tensile strength	2.90 Mpa
Elongation	upto 350%

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Coverage :

Generally, Mak Elastocryl EMW covers about immediate 1 sqm. area by using 1.6-1.8 kg of the product in three coats to form a layer of 1.5mm thickness. It may vary according to the condition of the surface.

Shelf life:

Shelf life of up to 12 months from the date of manufacture. Store in a cool place away from direct sunlight. Avoid freezing of the material.

Health and safety:

Acrylic materialis non-toxic. In case of excessive skin contact, thoroughly flush with clean water. If ill effects occur, seek medical attention promptly.

Disclaimer:

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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