

MAK ELASTOCRYL EMW

ACRYLIC BASED WHITE ELASTOMERIC
WATERPROOFING MEMBRANE



Description

Mak Elastocryl EMW is a single component, liquid applied, highly effective waterproofing system based on plasticized acrylic resin with U. V. resistant pigments. It cures on exposure to the atmosphere and forms an elastomeric white seamless membrane.

Key Features & Benefits

- Ready to use single component compound.
- Crack bridging capability >1.5mm
- 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 >200% 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 concrete or mortar, wood or metal]
- Can be applied over spray applied PU foam and other materials that are UV degrading.
- For waterproofing of sloped roofs.
- Also can be used on all types of drywall surfaces like gypsum, cement fibre boards etc. with.

Packing

Available in 1, 5 and 20 Kg Drum.

Coverage

Generally Mak Elastocryl EMW will cover about immediate 1 sq. mtr. area by using 1.4-1.6 kg of the product in two coats to form a layer of 1mm thickness. It may vary according to the condition of the surface.

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 cracks should be done by opening them in V-grooves and using mortar modified with Mak Crete acrylic polymer 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 mm and two coats of the product. After laying 1st coat 5-6 hours should be allowed to get it dry and then the 2nd coat to be applied in the same fashion and thereafter leaving the surface on nature cure

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.

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.

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.

Health & Safety

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

TECHNICAL SPECIFICATIONS

Characteristics:	Value:
Elongation	>200%
Thickness per coat	about 0.5 mm
Appearance	White thixotropic liquid
Adhesive Strength on concrete	>1.5 MPa
Tensile Strength	~2.5 MPa
Cracking on weathering >500 hrs	none
Solid Contents	60%+

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