ELASTOCRYL 800
Liquid Applied Waterproofing Membrane

1, 5 USG

Composition and Application Field

ELASTOCRYL 800 is a high solid content thixotropic liquid-applied, water based acrylic waterproof elastomeric with outstanding adhesion to various substrates. **ELASTOCRYL 800** is a permanently flexible membrane that can be re-enforced with fiber glass mesh for high tensile strength and toughness. **ELASTOCRYL 800** complies with ASTM C957-1998.

Advantages

- One component liquid applied.
- Moves with crack bridge > 2 mm.
- Adheres tenaciously to cement-based surfaces.
- Non-toxic, suitable for drinking water reservoir.
- Fiber re-enforcement will provide high strength. Available in wide range of colors.
- Hard wearing – durable.
- Primerless.
- Excellent UV resistance.
- Applicable to apply on floors and walls.

Surface Preparation

All surfaces should be clean, dry and free from dust and other contaminants. Wet substrates should be sponge dried to remove all surface water, then dried. Treat oil or grease contamination with degreaser followed by water or steam cleaning. New and unpainted surfaces must be structurally sound, clean, dry, fully cured, and free from dust, curing agents, form release agents, efflorescence, scale, or other foreign materials. All cracks larger than hairline shall be considered as moving and must be repaired with **RENDACOAT FC** cementitious concrete repair. Remove all unsound concrete. Patches shall be flush with the surrounding surface and shall match the texture of existing surfaces. Angle filet and corners should be arranged by using **RENDAGROUT HB** and kept to full cure before apply **ELASTOCRYL 800.**

Mixing

ELASTOCRYL 800 is a single component only remix and apply direct into the substrate

Application Method

ELASTOCRYL 800 may be applied by roller or airless sprayer. A brush may also be used for touch-up and edging work or for areas unsuitable for spray application. Airless spray and rolling are the most effective methods for obtaining a uniform film build. ELASTOCRYL 800 is a single component material. It is necessary to thoroughly mix the container prior to application using a slow speed mixer. ELASTOCRYL 800 has a rich thixotropic consistency. The addition of water reduces this thixotropic nature and decreases the ability to achieve heavy film builds with good vertical hold.

Coverage

Actual coverage may vary depending on surface profile, porosity, method of application and job conditions. ELASTOCRYL 700 is applied at the rate of 14 - 16m²/gallon at thickness of 250 microns WFT per coat..

Cleaning

Tools and equipment must be cleaned immediately by using sweet water.

Package

Technical Properties

Property	Value	Test Method
Specific Gravity	1.2 ± 0.05	S.G. Cup
Solid Content	65 ± 1%	ASTM D 1353
Tensile Strength	>3.0 N/mm2	ASTM D 412
Elongation at Break	500 ± 25%	ASTM D 412
Permeability	Nil	BS EN 12390
Hardness, Shore A	50	ASTM D 224C
180° Peel Adhesion	8 kg/2.5 cm	Metal Plate
UV Resistance after 1000 hours	Pass	ASTM D 822
Resistance to Bacteria	No Attack	ASTM D 4299
Resistance to Algae	No Attack	ASTM G 29-75
Resistance to Chemicals	Limetted effect	Visual Check
Resistance to Flame	Non-Flammable	Visual Check

Storage and Shelf Life

Product should be stored at 25°C in dry conditions. 12 months in tightly closed container.

Health and Safety

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream. Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray. MSDS is available on request for the safe handling of this product.

FIRST AID

Eyes: In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

Skin: Wash skin thoroughly with soap and water or approved industrial cleaner. DO NOT USE solvent or thinners.

Inhalation: Remove to fresh air, loosen collar and keep patient rested.

Ingestion: In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention