



# ELASTOCRYL 800

## Technical Data Sheet

### Liquid Applied Waterproofing Membrane

#### 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.

#### Uses

**ELASTOCRYL 800** is used in areas where water dampening of surfaces is critical. It has the ability to uniformly cover the profile of textured substrates, forming a continuous membrane.

**ELASTOCRYL 800** effectively covers existing hairline cracks and repaired areas, and bridges hairline cracking caused by structure movement. **ELASTOCRYL 800** is ideal for waterproofing concrete roof, balconies, wood, glass, asbestos, tiles, metal surface and masonry building exteriors.

**ELASTOCRYL 800** acts as waterproofing membrane in concrete water storage tanks, retaining walls, swimming pools, kitchens and bathrooms.

#### Advantages

- One component liquid applied. Moves with crack bridge > 2mm.
- Adheres tenaciously to cement-based surfaces.
- Non-toxic and safety to contact with drinking water reservoir.
- Available in wide range of colors.
- Hard wearing-durable. Primerless.
- Excellent UV resistance. Applicable to apply on floor and walls.

#### Surface Preparation

All surfaces should be clean, dry and free from dust and other contaminants. A dry sponge should be used to remove water on wet surfaces. 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 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 fillet and corners should be arranged by using **RENDAGROUT HB** and kept to fully cure before applying **ELASTOCRYL 800**.

#### Mixing

**ELASTOCRYL 800** is a single component. Remix and apply direct into the substrate.

#### Application Method

**ELASTOCRYL 800** should 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 spraying 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 the surface profile, porosity, method of application and job conditions. **ELASTOCRYL 800** is applied at a rate of 14-16 m<sup>2</sup>/gallon at a thickness of 250 microns WFT per coat.

#### Cleaning

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

#### Package

1, 5 USG.

#### Technical Properties

Property	Value	Test Method
Specific Gravity	1.42 ± 0.02	S.G. Cup
Solid Content	73 ± 1%	ASTM D 1353
Tensile Strength	>3.0 N/mm <sup>2</sup>	ASTM D 412
Elongation at Break	200 ± 25%	ASTM D 412
Permeability	Nil	BS EN 12390
Hardness, Shore A	55	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	Limitted effect	Visual Check
Resistance to Flame	Non-Flammable	Visual Check

#### Storage and Shelf Life

Product should be stored at 25°C in dry conditions. 18 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.