

## ELASTOCRYL 900

### Acrylic Cementitious Waterproofing Coating

#### Composition and Application Field

**ELASTOCRYL 900** is two component liquid-applied, cementitious acrylic waterproof elastomeric with outstanding adhesion to various substrates. **ELASTOCRYL 900** is a blend of ordinary portland cement, graded silica sand and additives (part A, powder) belong with one container high performance acrylic emulsion (part B, liquid). **ELASTOCRYL 900** complies with ASTM C957-1998.

#### Advantages

- Low cost .
- Moves with crack bridge > 2 mm.
- High bonding with cement-based surfaces.
- Non-toxic and suitable for potable water tank.
- Fiber re-enforcement will provide hard and tough flexible membrane.
- Available in white and grey
- Hard wearing – durable.
- High abrasion resistance.
- Good resistance to gases and moisture.
- Applicable to apply on floor and walls.
- Captures water from the structure..

#### 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 fillet and corners should be arranged by using **RENDAGROUT HB** and kept to full cure before apply **ELASTOCRYL 900**.

#### Mixing

**ELASTOCRYL 900** liquid poured into plastic pail and add two liters sweet water then mix with slow speed drill. Add gradually powder part to the liquid and mix for 3 minutes or until getting homogenous slurry liquid.

#### Application Method

**ELASTOCRYL 900** 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. Always apply in two coats in order to avoid pinholes. Allow 6 - 8 hours drying time in between coats. Due to its consistency nature, it is possible to build an appreciable thickness without sagging by using trowel. Best results are obtained by flush clean water to concrete wall as a primer coat. The second coat shall be applied in a direction perpendicular to the first coat after it has dried and preferably in a different color. To get high toughness and tensile fiber glass mesh can imbede it in between. Permanent contact with water (e.g., water reservoir) shall be dry for at least 7 days before filled with water.

#### Coverage

Actual coverage may vary depending on surface profile, porosity and method of application. **ELASTOCRYL 900** is applied at the rate of 14 – 16 m<sup>2</sup>/pack at 1.0 mm WFT thickness.

#### Cleaning

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

#### Package

18 kg powder bag (Part A) and 1.0 US gallon liquid (Part B).

#### Technical Properties

Property	Value	Test Method
Specific Gravity	1.55 ± 0.05	S.G. Cup
Pot life @ 35 °C	25 min.	-
Tensile Strength	>3.0 N/mm <sup>2</sup>	ASTM C 307
Elongation at Break	50 ± 5%	ASTM C 836
Water Vapor Transmission	7.5 perms.	(ASTM E96)
Hardness, Shore A	70	ASTM D 224C
Bonding Strength	>2.0	ASTM D4541
UV Resistance after 1000 hours	Excellent	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. 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