

ELASTOCRYL 700

High Performance Acrylic Waterproofing Membrane

DESCRIPTION

ELASTOCRYL 700 is a high solid content thixotropic liquid-applied, water based acrylic waterproof elastomeric with outstanding adhesion to various substrates. **ELASTOCRYL 700** is a permanently flexible membrane that can be re-enforced with fiber glass mesh for high tensile strength and toughness.

ELASTOCRYL 700 complies with ASTM C957-1998.

USE

ELASTOCRYL 700 is intended to be 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 700 effectively covers existing hairline cracks and repaired areas, and bridges hairline cracking caused by structure movement.

ELASTOCRYL 700 is ideal for waterproofing concrete roof, balconies, wood, glass, asbestos, tiles, metal surface and masonry building exteriors. Fiber re-enforcement will provide hard and tough flexible membrane.

ELASTOCRYL 700 also performs as an effective waterproofing membrane in concrete water storage tanks, retaining walls, swimming pools, kitchens and bathrooms.

ADVANTAGES

- One component liquid applied.
- Moves with crack bridge > 3mm.
- Adheres tenaciously to cement-based surfaces.
- Non-toxic and safely to contact with drinking water.
- Available in wide range of colors.
- Hard wearing – durable.
- High abrasion resistance.
- 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. 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.

This information contained in the data sheet is to the best of our knowledge correct and up to date. Under well-defined conditions. Its accuracy or suitability under the actual conditions of any independent use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller cannot accept any liability in connection with the use of the product relative to coverage, performance, injury, or damage, unless we specify in writing to do so. The information in this data sheet is subject to change without prior notice and it is the user responsibility to ensure it is current. For further information and advice please contact RITVER Technical Service Department.

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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 file and corners should be arranged by using **RENDAGROUT HB** and kept to full cure before apply **ELASTOCRYL 700**.

MIXING

ELASTOCRYL 700 is a single component only remix and apply direct into the substrate

APPLICATION

ELASTOCRYL 700 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 700 is a single component material. It is necessary to thoroughly mix the container prior to application using a slow speed mixer.

ELASTOCRYL 700 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.

Always apply in two coats in order to avoid pinholes. Allow 5 - 6 hours drying time in-between coats. The coating is thixotropic rather than viscous and therefore breaks up easily in spray pattern. Due to its thixotropic nature, it is possible to build an appreciable thickness without sagging.

Best results are obtained by first applying a primer coat of a thin film of diluted **ELASTOCRYL 700** with equal size of water and two coats un-thinned. The second coat shall be applied in a direction perpendicular to the first coat after it has dried and preferably in a different color.

Surfaces subject to continuous splashes or permanent contact with water shall be left to dry for at least 7 days before they are filled with water.

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 - 16 m²/gallon at thickness of 250 microns WFT per coat..

CLEANING

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

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PHYSICAL CHARACTERISTICS

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/mm ²	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	Limitted effect	Visual Check
Resistance to Flame	Non-Flammable	Visual Check

PACKAGE

1, 5 USG.

STORAGE

Product should be at 25°C in dry conditions.

SHELF LIFE

12 months in tightly closed container.

HEALTHY 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

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