

## Superior Grade Acrylic Waterproofing Coating

### Description

**SUPER PROOF** is a high quality, single-component flexible, acrylic based waterproofing and protective coating. The coating is designed to provide a tough barrier against weathering agents and UV. It also functions as an anti-carbonation coating. The coating upon full cure forms a tough, resilient yet flexible coating.

**SUPER PROOF** when completely cured will exhibit the following qualities:

- Tough yet highly flexible. The thermal co-efficient of expansion is similar to concrete
- Excellent durability. Is resistant to UV and weathering effects and does not lose its properties over time
- High tensile strength and great crack bridging ability
- Bonds very well to concrete and most other substrates
- Non-toxic. Can be used in potable water applications
- Anti-carbonation. Resistant to the ingress of carbon dioxide and chloride ion diffusion
- Provides resistance from diluted acids, hydrocarbons, sulphate and chloride ions
- Low VOC as coating is water based
- High service temperature & fire resistance
- Easy to apply

### Recommended Applications

**SUPER PROOF** is used as Waterproofing and protective coating of the following structures:

- Concrete roofs both flat and sloped
- Terraces, balconies and domes
- Metal profile roofs and asbestos roofs
- Corrugated metal sheets
- Polyurethane foam insulation
- Tunnels, underpasses & concrete bridge decks

**SUPER PROOF** is also used as an anti-carbonation protective coating to exposed concrete structures such as car park decks, etc.

### Supply

20Kg Pail

### Application

Surface Preparation – Concrete surface: The substrate on which the coating will be applied has to be cleaned thoroughly of all contaminants which may affect the adhesion. All major repair works needs to be carried out with a suitable repair material prior to the application.

Surface Preparation – Metal surface: The surface on which the coating will be applied has to be cleaned of all rust scales by either using a wire brush or by grit blasting.

Priming: Apply a primer coat on the concrete surface using a brush or roller to seal the pores and stabilize the surface by diluting **SUPER PROOF** with 20% water. This will help in boosting adhesion for the top coat.

Allow it to dry completely for a minimum period of 8 hours before applying the acrylic coating.

Application: To ensure a homogenous mix, it is recommended to mix the contents of the pail prior to the application. Apply each coat of **SUPER PROOF** at a coverage rate of 1.2 kg/m<sup>2</sup> to attain a Dry Film Thickness of 0.6mm. A total of 1.2mm thickness will be achieved in two coats.

For best results, apply the coating with a soft bristled brush or a roller.

Corners and joints shall be treated with a fibre mesh to provide added strength to the applied coating. This mesh shall be applied immediately on the 1<sup>st</sup> coat whilst it is still wet.

The application of the second coat shall be carried out after the first coat dries off.

Curing: The coating shall be cured fully for 7 days to achieve its full mechanical properties.

Cleaning: Clean all tools immediately with water after use. Hardened materials can be removed mechanically only.

### Technical Specification

PROPERTIES	VALUES	TEST STANDARDS
Color	White/Grey	-
Density, (g/cc)	1.2	ASTM D 1475
Solid Content, (%)	62%±2	ASTM D 1644
Tensile strength, (N/mm <sup>2</sup> )	>2	ASTM D 638
Elongation, (%)	>350	ASTM D 638
VOC	Negligible	ASTM D 3960 / ASTM D 2369
Hydrostatic head pressure	Nil @5 bar	BS 12390
Crack bridging ability, (mm)	>1.5	ASTM C 836
UV resistance @100 hrs	Pass	ASTM G 154
Initial Cure, (hrs)	12 to 24	-
Final Cure, (Days)	7	-
Application temperature, (°C)	10 to 50	-
Service temperature, (°C)	-5 to 70	-

#### Storage & Shelf Life

The material in unopened condition shall be stored on pallets in a cool and shaded area and should be protected from extreme climatic conditions. The shelf life is 12 months when stored as per recommendation and in un-opened conditions.

#### Health & Safety

As with all construction chemical products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.

**For professional use only. Keep out of reach of children.**

Due to continuous product improvements, the data mentioned in the TDS is subject to change without prior intimation. All recommendations and suggestions are therefore made without guarantee. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility.