

TRI- ACRY PROOF

Elastomeric acrylic waterproofing & protective coating

Description

Tri -Acryproof is a single component, elastomeric, acrylic waterproofing and protective coating. Upon curing forms a tough, flexible and durable coating which is Resistant to UV and other weathering agents.

Tri -Acryproof is also used to protect exposed concrete structures against carbonation And chloride ion diffusion.

The product is certified by National Research Center.

Tri -Acryproof has been tested in accordance to: ASTM (G 154, D4587)



Uses

Tri -Acryproof Used as waterproofing and protective coating for the following structures:

- Sloped concrete roofs.
- Metal profile roofs.
- Anti carbonation coating in car park decks.
- Protective coating on underpasses & concrete bridge decks.
- Protective coating on polyurethane foam insulation.
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Advantages

- Form a flexible film can bridge the hair crack of concrete.
- Can be used as positive and negative water proofing coat.
- Water proof — suitable for water retaining structures.
- Flexible with similar expansion similar to concrete .
- Covers honeycombed and pitted poured concrete effectively.
- Good abrasion resistance.
- Waterproof coating for water tanks and reservoirs.

Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14
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Technical Data @°25c

DISCRETIONS	VALUE
Color	White - Grey
Solid Content by weight	63 ±2%
Solid Content by volume	52 ±2%
Specific Gravity	1.3 ±0.1kg/L
Tensile Strength	> 1 N/mm ²
Crack bridging ability	>0.5mm
Toxicity	Non Toxic
Elongation at Break	>500%
Hydrostatic Pressure @ 5 bar (50m)	No leakage
Service temp	5 to 70 °C
Rate of use (theoretical)	As protective coating : 0.30 - 0.35 kg / m ² As water proofing : 1.25 - 1.50 kg / m ²

Directions for use

Concrete Surface

Clean the surfaces which shall receive the coating of all dust, dirt, moss, oil and greas
Loose particles, cement laitance and all other deleterious materials which will affect the adhesion
of the coating with the substrate. Cracks and potholes shall be repaired with
Concrete repair mortar.

Metal surface

Clean the surface of all rust scales. This can be achieved by wire brushing or grit blasting. Sealer
Tri -Acryproof shall be diluted 1 : 1 with water and applied as sealer coat with rate
150 – 200 gm/m² on the concrete surface to seal the pores and stabilize the surface. The sealer also
functions as an adhesion promoter for the top coats. This sealer coat can be applied by a brush,
roller or airless spray and allowed to dry.

Application

Mix the contents of the pail prior to the application to remove any sediment.

Tri -Acryproof Can be applied by soft bristled brush, roller or an airless spray.

Dilute **Tri - Acryproof** with 10% of water then apply the first coat with rate
1.25 - 1.5 kg/m² to form 450 - 500 µ dry film thickness. After the drying of the first
coat, dilute **Tri - Acryproof** with 10% of water then apply the second coat with
rate of 1.25 - 1.5 kg/m² to form 450 - 500 µ dry film thickness It is important to
Ensure that each coat has to be cured totally before applying the next coat.

The second coat should be applied at right angle to the first at the same
Coverage rate, to ensure a full unbroken coating to the substrate. For improved
strength and flexibility, embed a 80 : 100 g/m² Fiber Mesh while the first coat is still
wet on all corner joints, fillets and pipe penetration joints or for fully surface. Allow
the coating to cure fully for 72 hours to achieve its full properties.



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Cleaning

Clean all the tools with water after use. Hardened materials can be removed mechanically only.

Package

Pails :20,15 Kg

Shelf Life

The pails and drums must be stored in a covered area, away from direct sunlight, UV and other sources of heat.

The shelf life of the product is up to 12 months if stored as per recommendations.

Storage

Store in shade under normal warehouse conditions.

Fire

Nonflammable

Health and Safety

Contains cement powders ,which when mixed or become damp , release alkalis which can be harmful to the skin .

During application, should avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment In case of contact with skin, rinse with plenty of clean water then clean with soap and water.

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