

# CON ROOF 03 ACRYLIC

Single Component Acrylic Roof Coating.



## DESCRIPTION:

CON Roof 03 Acrylic Highly flexible, roof-waterproof, UV-resistant, and acrylic-based roof waterproofing coating can be applied to many substrate types.

## TYPICAL USES:

CON PROOF 407 ELASTIC is particularly recommended for:

- Roof waterproofing of covers on different types of substrates such as concrete, mortar, fiber cement tile, brick Zinc tile and metal (with special primer).
- As protection coating in asphalt and polyurethane waterproofing.
- Waterproofing of roof, balcony, side walls in party walls.

## ADVANTAGES:

- Reflects up to twice the amount of heat away from the roof, giving an excellent indoor thermal comfort and save on energy cost.
- Environmentally friendly, free from harmful chemicals, and low VOC.
- Excellent bond strength without primer to a variety of substrates.
- Applicable for vertical, horizontal and overhead applications.
- Easier detailing of transitions and penetrations.
- Economical coating recovery
- Reinforce and waterproof roof seams, penetrations, and vertical transitions, and terminations.

## TECHNICAL SPECIFICATIONS:

Appearance:	Thick Liquid
Color:	White and Grey
Solid Content:	60 - 65 %
Density:	1.30 Kg/Liter (± 3%)
Mixing Ratio:	1:3 by weight
Ambient Air Temperature:	5° C to 40° C
Substrate Temperature:	5° C to 40° C
Full Cure:	7 days
Resistance to fire as per BS:	Class A1 (EN 998 -2, 2003)
Static Crack Accommodation:	1.5mm
Dynamic Crack Accommodation	0.75mm
Elongation at Break:	250%
Bond Strength:	3-4 MPa

## **APPLICATION PROCEDURE:**

### **SURFACE PREPARATION**

- Before application, removing all dirt, dust, grease, oil, paint, salt laitance, moss, and weeds from the surface is essential.
- The substrate must be clean, sound, and must not be over heated nor frozen.
- Concrete substrates should be at least 14 days old; bituminous substrates should be 3-6 months old before overcoating with CON Roof 03 Acrylic.
- Where moss, algae, or similar growths have occurred carried out treatment with a proprietary biocide after the grit blasting process.

### **PRODUCT PREPARATION**

- Mix a 20kg pail of CON Roof 03 Acrylic manually or by drill mixer to obtain a homogeneous material.
- For priming, mix CON Roof 03 Acrylic with 1-2 liters of potable cool water.
- Apply CON Roof 03 Acrylic by brush, roller, or airless spray machine.

### **APPLICATION**

- Prime porous cementitious surfaces with Polyurethane primer or with CON Roof 03 Acrylic diluted with 5-10% of clean water.
- Apply the first coat of CON Roof 03 Acrylic and allow it to cure for 4-12 hours depending on the ambient temperature and humidity.
- Apply the second coat perpendicular to the first coat and allow it to cure.
- Ideal application temperature is between + 5°C and + 35°C.
- It is recommended for heavy pedestrian traffic to use fiber glass mesh reinforcement, embedded firmly in the second coat with wet. Then a third coat should be applied.
- Allow the applied material to remain undisturbed for at least 48 hours.

## **LIFE EXPECTANCY:**

The life expectancy with total consumption of not less than 2.2 Kg/m<sup>2</sup> is 3 years. It can be increased to 5 years with fiber mesh reinforcement and 3 Kg/m<sup>2</sup> total consumption.

## **CONSIDERATION:**

- Allow each layer for curing before applying the next coat otherwise uncured material will be trapped between the layers.
- Do not apply CON Roof 03 Acrylic on substrates with rising moisture or continuous dampness.
- It is not suitable for permanent water immersion.
- Do not dilute with any solvent.
- Do not use for indoor applications.
- Do not apply close to the air intake vent of a running air conditioning unit.
- Do not use runoff water for live fish tanks, etc.
- Should not be applied on surface expected to have continuous dampness or high relative humidity greater than 80%.
- Don't apply during winter with high humidity of expected rainfall before full curing.
- Do not dilute with any solvent.
- Do not use for indoor applications.
- Do not apply close to the air intake vent of a running air conditioning unit.
- Do not use runoff water for live fish tanks, etc.
- Should not be applied on surface expected to have continuous dampness or high relative humidity greater than 80%.
- Don't apply during winter with high humidity of expected rainfall before full curing.

## **CLEANING:**

Remove CON Roof 03 Acrylic from tools, equipment, and mixers with clean water before the initial set. Cured material can only be removed mechanically.

## **PACKAGING & STORAGE:**

- **Packing** : 20kg pail.
- **Storage** : Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the product must be stored in an air-conditioned environment.
- **Shelf life** : Shelf life is up to 12 months when stored as per recommendations.

## **Coverage:**

- Priming consumption 0.6-0.8 Kg/m<sup>2</sup>/coat.
- First and second coat consumption 0.7-1.2 Kg / m<sup>2</sup>/ coat.
- Third coat with fiber mesh reinforcement consumption 1.0-1.2 kg/m<sup>2</sup>/coat.

## **HEALTH & SAFETY:**

The information, and the recommendations relating to the application and end-use of CON products, are given in good faith based on our current knowledge and experience of the products when properly stored, handled, and applied under normal conditions by the given recommendation. We reserve the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned copies, which will be supplied on request.

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

Before each use of any product of ConTech products, its subsidiaries, the user must always read and follow the warnings and instructions on the product's most current product label, Product Datasheet which are available upon request. Nothing contained in any ConTech literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each ConTech product as outlined in the current product label, Product Data Sheet before use of the ConTech product. The user determines the suitability of the product for the intended use and assumes all risks.

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