

## FLEXPROOF 506 NC

### DESCRIPTION

FLEXPROOF 506 NC is a water based non cementitious single component flexible waterproofing membrane. FLEXPROOF 506 NC consists of a liquid co-polymer and is supplied in ready-to-use kit.

FLEXPROOF 506 NC will provide a tough elastic and waterproof membrane that can be coated in two separate coats up to 1mm thick onto concrete to prevent the ingress of water and moisture.

### USES

FLEXPROOF 506 NC provides a seamless finishing onto all types of concrete substrates. It can be used for roofs, toilets, wet rooms, parking decks, basements, balconies, planter boxes and lift pits.

### ADVANTAGES

- Able to bridge cracks up to 2mm wide.
- Can be applied horizontally and vertically to concrete substrates.
- No application of primer is needed on the receiving substrate.
- FLEXPROOF 506 NC is able to withstand foot traffic when cured.
- Blended in paste form to ensure high consistent quality and uniform application.
- Non-toxic and odourless, highly suitable for confined areas.

### METHOD OF USE

#### Surface Preparation

Ensure all surfaces where FLEXPROOF 506 NC is to be applied should be levelled and free of any undulation (e.g. potholes/blowholes) and must be free from oil, grease, wax and loose materials. Ensure all substrates are 100% dry and not damp before applying FLEXPROOF 506 NC.

#### Mixing

Open the container cover and mix for 2 to 4 minutes manually to disperse the fillers until a homogeneous paste is observed and is free of lumps. FLEXPROOF 506 NC is ready to be applied.

#### Application

FLEXPROOF 506 NC can be applied with a paint brush and roller or both. During application ensure that air is not entrapped or bubbles forming on the surface membrane.

After application of the first coat of FLEXPROOF 506 NC, allow it to cure for about 1 to 2 hours (curing time varies depending on weather & ambient temperature and condition of substrates). Ensure that the first coat has reached initial set prior to applying the second coat. Thickness of each coat can be applied at 0.5mm±0.1mm per layer. Ensure the surface is uniformly applied.

FLEXPROOF 506 NC should be protected with R-CRETE SCREED WP after the completion of water ponding test.

#### Curing

It is advisable to use a fan or flood lights in a confined area to speed up the curing process of each coat.

For normal curing, surface should be air cured after finishing the second coat of application.

## CLEANING

FLEXPROOF 506 NC can be removed from tools and equipment with clean water when the liquid is wet. When FLEXPROOF 506 NC is cured, it can only be removed mechanically.

## HANDLING

FLEXPROOF 506 NC should be stored in a dry place under shade, free from moisture contact.

FLEXPROOF 506 NC is non-hazardous. During windy conditions, wear a filter mask to avoid inhaling. Remove splashes from skin with water. In case of eye contact, wash with plenty of water. If irritation persists, seek immediate medical attention.

## CONSUMPTION

A 1 Kg of wet liquid covers approximately 1.1 to 1.3m<sup>2</sup> at 1mm thick.

## PACKING

FLEXPROOF 506 NC is supplied in 20 kg pail.

## SHELF LIFE

FLEXPROOF 506 NC has a shelf life of 12 months in tightly closed original packing.

SPECIFICATIONS	
Consistency for application	Co-polymer modified liquid
Appearance	Wet liquid – Blue color Dry film – Black color
Wet Density	1300 kg/m <sup>3</sup>
Curing Time	24 to 72 hours depending on temperature and wind conditions
Tensile Strength	≥ 1.2 N/mm <sup>2</sup> (ASTM D412)
Elongation at Break	≥ 150% (ASTM D412)
Adhesion to Substrate	≥ 0.2 N/mm <sup>2</sup>
Crack Bridging	Up to 2mm (ASTM C836)
Hardness (Shore A)	≥ 30 ASTM D2240
Resistance to water penetration	Depth of penetration should be 0 (DIN 1048)
Chemical Resistance	0.5% (v/v) NaOCl 1.25% (v/v) NH <sub>4</sub> OH 3.7% (v/v) HCl
Set-to-Touch Lab Condition	Should touch dry within 60 minutes

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