

## am FLEXPROOF 501

### DESCRIPTION

**am FLEXPROOF 501** is cement based flexible waterproofing membrane. **am FLEXPROOF 501** is a two-part system consists of a liquid polymer and cement based powder component supplied in ready-to-use kit.

**am FLEXPROOF 501** will provide a tough elastic and waterproof membrane that can be coated onto concrete or masonry surfaces to prevent the ingress of water and moisture.

### USES

**am FLEXPROOF 501** provides a seamless finish onto all types of concrete and masonry surfaces. It can be use for roofs, wet rooms, parking decks, basements, lift pits and areas affected by the ingress of water.

### ADVANTAGES

- Able to bridge cracks up to 1mm wide.
- Can be applied on damp substrates.
- No application of primer is needed on the receiving substrate.
- **am FLEXPROOF 501** is able to withstand foot traffic when cured.
- Premixed to ensure high consistent quality.
- Protection of concrete structures in marine environment.
- Non-toxic and odourless, highly suitable for confined areas.

### METHOD OF USE

#### Surface Preparation

Ensure all surface where **am FLEXPROOF 501** is to be applied must be free from oil, grease, wax and loose materials. For area where water absorbent is expected to be high, damp surface before applying **am FLEXPROOF 501**.

#### Mixing

Pour Part B (liquid component) into a clean container. Add Part A (powder component) slowly that allows mixing with a low-speed mechanical (350-450 rpm) until **am FLEXPROOF 501** is a homogeneous paste and is free of lumps.

#### Application

**am FLEXPROOF 501** can be applied with a stiff brush, a roller and can be trowelled on. For trowel application, the substrate should be leveled and free of any undulation (e.g. Potholes). During application ensure that air is not entrapped within the membrane.

After application of the first coat of **am FLEXPROOF 501**, allow it to cure for about an 1- 3 hour and ensure that the first coat has initial set before applying the second coat. Thickness of each coat can be between 1mm – 2mm.

#### Curing

Protect the surface of the coating from strong sunlight and drying winds with Polyethene sheets or other similar protective coverings.

## CLEANING

**am** FLEXPROOF 501 can be removed from tools and equipment with clean water. When **am** FLEXPROOF 501 is cured, it can only be removed mechanically.

## HANDLING

**am** FLEXPROOF 501 should be stored in a dry place under shade, free from moisture contact.

**am** FLEXPROOF 501 is non-hazardous. During windy conditions, wear a filter mask to avoid inhaling powder component from part A. Remove splashes from skin with water. In case of eye contact, wash with plenty of water. If irritation persists, seek immediate medical attention.

## CONSUMPTION

Dosage is 2.0 to 3.0 kg/m<sup>2</sup> depending on the membrane thickness and the substrate. Average 1.8 to 2.0 Kg/m<sup>2</sup> for 1mm thickness.

## PACKING

\* For trowel application: **33 kg/set** (25 kg per bag + 8 litres of Liquid Polymers)

\* For stiff brush, roller application: **30 kg/set** (22 kg per bag + 8 litres of Liquid Polymers)

## SHELF LIFE

**am** FLEXPROOF 501 has a shelf life of 12 months in tightly closed original packing.

SPECIFICATIONS	
Consistency for application	Co-polymer modified cement slurry paste
Appearance	Grey
Dry Density	
• Part A	1310 kg/m <sup>3</sup>
• Part B	1010 kg/m <sup>3</sup>
Pot Life at 30°C	1 to 4 hours depending on temperature and wind conditions
Tensile Strength	1.59 N/mm <sup>2</sup> (ASTM D412)
Elongation at Break	≥ 60% (ASTM D412)
Adhesion to Substrate	> 1 N/mm <sup>2</sup>
Crack Bridging	Up to 1mm (ASTM C836)
Hardness (Shore A)	58
Water penetration test at 0.4 bars for 6 hours	No Penetration
Chemical Resistance	0.5% (v/v) NaCl 1.25% (v/v) NH <sub>4</sub> OH 3.7% (v/v) HCL



022-021  
Eco-Friendly Building Material  
Minimum 20% Recycled Content

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