

asiamMORTAR
Deliver Solutions



032 – 108
Environmentally Friendly /
Low VOC Paint

FLEXPROOF 501

DESCRIPTION

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

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

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 2mm wide.
- Can be applied on damp substrates.
- No application of primer is needed on the receiving substrate.
- FLEXPROOF 501 is able to withstand foot traffic when cured.
- Premixed to ensure high consistent quality.
- Non-toxic and odourless, highly suitable for confined areas.

METHOD OF USE

Surface Preparation

Ensure all surface where 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 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 mixer (350-450 rpm) until FLEXPROOF 501 is a homogeneous paste and is free of lumps.

Application

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 FLEXPROOF 501, allow it to cure for about an hour and ensure that the first coat has initial set before applying the second coat. Thickness of each coat can be between 0.8mm – 1mm.

Curing

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

CLEANING

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

HANDLING

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

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

Approximately 1.5kg to 2kg/m² applied in 2 layer depending on surface porosity and application method.

PACKING

Part A : 25 kg per bag.
Part B : 8 litres of Liquid Polymers.

SHELF LIFE

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
Mixed Density	1300 kg/m ³
Pot Life at 30°C	1 to 4 hours depending on temperature and wind conditions
Tensile Strength	1.8 N/mm ² (ASTM D412)
Elongation at Break	> 100% (ASTM D412)
Adhesion to Substrate	> 1 N/mm ²
Crack Bridging	Up to 2mm (ASTM C836)
Hardness (Shore A)	60
Water penetration test at 0.4 bars for 6 hours	No Penetration
Chemical Resistance	0.5% (v/v) NaCl 1.25% (v/v) NH ₄ OH 3.7% (v/v) HCL

Asia Mortar

Singapore • Malaysia • Vietnam • China

Tel: +65 6269 5575 • +60 6 4416 818 • +84 8 3820 8686 Email: info@asiamortar.com Website: www.asiamortar.com