

# Flexible Cement Membrane (FCM)

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TDS81 Rev5 17/02/20

## Highly Flexible Rubberised Cement Coating

### DESCRIPTION

Westox Flexible Cement Membrane is a two component latex based emulsion and when mixed provides a flexible waterproof coating, used as an adhesive for render, a primer or vapour barrier coating system. FCM also contains an anti-corrosive additive and can be used as an anti-corrosive coating on steel when repairing concrete spalling.

### USES

As a tanking membrane for internal and external walls. To provide a sealed surface on concrete substrates under sheet membranes or as an adhesive between layers of concrete. Westox FCM will bond normal render to high strength concrete and eliminate render slide during application over non-porous surfaces. It is recommended that a coating is applied over the top to protect from UV. FCM contains an anti-corrosive additive which migrates through concrete providing extra protection. FCM can be used as a flexible coating for the inside of planter boxes.

### FEATURES

- ✓ Easy to mix and prepare.
- ✓ Easily applied & repaired by brush.
- ✓ Extremely durable and high bond strength.
- ✓ Can be applied to damp surfaces.
- ✓ Unaffected by water after final set.
- ✓ Excellent tensile strength and elongation.
- ✓ Water based, No solvents.
- ✓ Low vapour transmission.
- ✓ Wide range of applications like ponds and planter boxes.
- ✓ Excellent adhesion.
- ✓ Can be rendered or painted over.

### TECHNICAL DATA

Specific Gravity (Part A): 1.03 at 25°C.

Specific Gravity (Part B): 1.15 at 25°C.

pH: 10-11.5 (after mixing Part A and B).

Elongation. 300% after full cure.

Water Absorption: Max. 10% (after full cure).

Finish: Good.

Flexibility: Excellent.

Colour - Off White cement.

### PREPARATION

The surface to be treated should be clean and sound, free of oil, grease, laitance or any material deleterious to the adhesion of the coating system. Must be applied direct to masonry substrate.

Do not apply coating if temperature is below 10°C or above 35°C. Do not apply coating if rain is imminent.

## **APPLICATION**

After placing Part A (Liquid) in a suitable vessel, slowly add Part B (Powder) whilst consistently mixing, to produce a lump free homogenous mixture. Mixing ratio is to add all of part A and all of part B supplied in the kit. 1 kilo of the combined Part A and B will cover approx. 1m<sup>2</sup> at a thickness of 1mm approximately.

Application by brush, broom, fine textured roller or spray is recommended.

Apply **first coat of Westox FCM** to a pre-moistened surface at the recommended thickness of 1mm, brushing in one direction only.

1. Lay on the membrane with a brush to form uniform consistent 1mm thickness.
2. Apply coating as a membrane, not as a filler. If desired apply second coat as soon as the first coat has set. Overnight drying is preferred. Brush or broom at right angles to the previous application to ensure there are no pin holes. Apply at the same thickness as first coat of 1mm.

## **CLEAN UP**

Wash all equipment with water immediately after use.

## **PACKAGING**

18kg Kit.

## **SHELF LIFE**

6 Months.

## **SAFETY**

Refer to Westlegate Pty Ltd Safety Data Sheet (SDS) for instructions.



**Westlegate Pty Ltd**  
**16 Frost Road Campbelltown NSW 2560**  
**Ph: 61 2 4628 5010 or 1300 937 869**  
**Email: [info@westox.com](mailto:info@westox.com) Website: [www.westox.com](http://www.westox.com)**