



# Flexible Membrane

Flexible Membrane is a flexible solvent free epoxy crack bridging membrane. With excellent adhesion to both steel and concrete Flexible Membrane is used in areas subjected to vibration, expansion/contraction, hairline and settlement cracking.

Flexible membrane maintains its flexibility down to -20° C, so is suitable for use in cold stores.

## Benefits

- No harmful solvents
- Flexible, will fill and bridge gaps
- Stops propagation of cracks through coatings and screeds
- Very high water vapour resistance
- Excellent adhesion
- Suitable for mixed substrates

## Methods

### Preparation

- All surfaces must be sound, free from oil, grease and loose material.
- Mechanically prepare the area to give a suitable key for the Flexible Membrane.
- Remove all debris by sweeping or vacuum.

### Mixing

- All products are supplied in pre weighed units this ensures the correct ratio of base to activator is achieved.
- Only mix as much material as can be applied during the stated working life.
- Empty the activator component into the base component bucket and thoroughly mix for 2 minutes using a slow speed mixer.

### Application

- Pour the mixed material into a roller tray or scuttle.
- Apply the mixed Flexible Membrane by brush or short pile roller.
- Do not over work the mixed Flexible Membrane.

Pouring the mixed Flexible Membrane onto the substrate will result in lower coverage rates

## Technical details

Mixing ratio	as supplied
Application rate	1st coat 5 m <sup>2</sup> per kilo 2nd coat 5 m <sup>2</sup> per kilo
Porosity of the substrate can affect coverage.	
Working life	45 minutes @ 20° C

## Application conditions

Minimum temperature	8° C
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## Cure time

Touch dry	14 hours @ 20° C
Foot traffic	18 hours @ 20° C
Over coat	14 hours @ 20° C

## Adhesion

Concrete	12.0 Mpa
Steel	10.0 Mpa
Hardness	20 Shore D

Elongation	130%
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Minimum operating temp	-20° C
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Flash point	Over 100° C
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