

# Strongcoat DPM

Epoxy damp-proof membrane



## DESCRIPTION

Strongcoat DPM is a two pack, solvent free epoxy based damp-proof membrane for use with the DCP range of surface coatings and toppings.

It suppresses residual construction moisture and rising dampness in concrete and sand/cement screeds and can be used in situations where the relative humidity level is above 75%. It is applied by brush or roller in one or two coats depending on the relative humidity of the floor.

## METHOD OF USE

### SUBSTRATE PREPARATION

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating. Concrete floors must have a minimum compressive strength of 25 N/mm<sup>2</sup>.

### SURFACE PREPARATION

Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment.

Acid etching can be used only in well ventilated areas. Areas deeply contaminated by oil or grease, should be treated by hot compressed air.

## MIXING

Prior to mixing, stir individual components of Strongcoat DPM. Take care to ensure that bottom and sides are thoroughly scraped, transfer the entire content of hardener into the base and mix for 2 - 3 minutes using slow speed mixer fitted with suitable paddle.

## APPLICATION

Strongcoat DPM should be applied by brush or short hair lambs wool roller.

One coat of Strongcoat DPM is required where the relative humidity level of the screed is between 75% and 85%. For RH levels between 86% and 98%, use 2 coats.

Spread evenly at the recommended coverage rate, avoiding any primer ponding on the floor. Highly porous surfaces may require two coats of Primer.

## TECHNICAL PROPERTIES @ 25°C:

Appearance:	Light beige Other colours are available upon request
Bond strength: ASTM D4541-85	≥ 3 MPa (concrete failure)
Mixed density:	1.35 ± 0.05 g/cm <sup>3</sup>
Mixed viscosity: (N <sub>4</sub> S <sub>23</sub> )	40 - 60 poise
Pot life:	30 - 60 min
Overcoating time:	12 - 24 hr
VOC:	< 20 g/ltr

## CLEANING

Strongcoat DPM can be removed by DCP solvent prior to setting.

## PACKAGING

Strongcoat DPM is available in 5 kg packs.

## COVERAGE

Strongcoat DPM is applied at a coverage rate of 3.5 - 3.7 m<sup>2</sup>/kg to achieve approximately 200 micron DFT per coat.

## STORAGE

Strongcoat DPM has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 40°C.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.



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## CAUTIONS

### HEALTH AND SAFETY

Strongcoat DPM should not come in contact with skin and eyes.

In case of accidental splashes to the eyes, wash immediately with clean water and seek medical advice.

For further information refer to the Material Safety Data Sheet.

### FIRE

Strongcoat DPM is nonflammable.

*Flash Point:*

DCP Solvent: 33°C.

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- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

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