

Strongcoat OT DPM

Oil-tolerant, epoxy damp-proof membrane



DESCRIPTION

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

Ideal for environments susceptible to oil contamination, Strongcoat OT DPM 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/mm².

SURFACE PREPARATION

Ensure that all pinholes and grooves in the prepared substrate are properly filled using suitable epoxy putty materials prior to the application of subsequent layers. This is crucial to prevent pinhole reflection and to achieve a smooth, seamless finish.

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 OT 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 OT DPM should be applied by brush or short hair lambs wool roller. One coat of Strongcoat OT 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.

TECHNICAL PROPERTIES @ 22 ± 2°C:

Colour:	Available in different colours
Bond strength: ASTM D4541-85	≥ 3 MPa (concrete failure)
Mixed density:	1.35 ± 0.05 g/cm ³
Pot life:	30 - 60 min
Overcoating time:	12 - 24 hr
VOC:	< 20 g/ltr

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

CLEANING

Tools can be cleaned using DCP solvent prior to setting.

PACKAGING

Strongcoat OT DPM is available in 10 kg and 20 kg packs.

COVERAGE

Strongcoat OT DPM is applied at a coverage rate of 3.5 - 3.7 m²/kg to achieve approximately 200 micron DFT per coat.

STORAGE

Strongcoat OT DPM has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 30°C.

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

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CAUTIONS

HEALTH AND SAFETY

Strongcoat OT 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 OT DPM is nonflammable.

Flash Point:

DCP Solvent: 33°C.

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Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.

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