

NOW AVAILABLE IN 10KG KIT

ONE COAT MEMBRANE

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EPOXY SURFACE DAMP PROOF MEMBRANE FOR CEMENTITIOUS SUBFLOORS



DESCRIPTION

A two part, epoxy system containing the exact quantities of resin and hardener, ready for mixing together. Curing is by a stoichiometric chemical reaction giving a gloss finish.

USES

For suppressing residual construction moisture in cementitious subfloors enabling floor coverings to be installed earlier in building projects. Screedmaster One Coat DPM and Screedmaster One Coat Accelerator are both solvent free products and are suitable for use in all project work including hospitals, schools, retail outlets and commercial projects. On a smooth, power floated concrete base, a single coat application can provide protection up to a maximum hygrometer reading of 97% RH. Moisture readings quoted are based on BS 8203 using a properly calibrated and insulated surface hygrometer.

PREPARATION

Ensure the subfloor is clean, structurally sound, surface dry and free from laitance, dust, dirt or any other contaminant that may prevent adhesion to the substrate. Remove all surface water prior to application. Highly polished surfaces may require light shot blasting to assist penetration and/or adhesion. If the concrete contains either a curing agent or surface hardener, these must be removed by either shot blasting or mechanical abrasion.

CONDITIONING

Store the product for 24 hours prior to use in temperature conditions between 15°C and 25°C. Storage under colder temperatures may result in a more viscous consistency that will make application more difficult. Storage under higher temperatures will reduce the working pot life.

MIXING

Do not mix the components together until the application is ready to start. Using an electric drill and paddle, first stir the hardener (Part B) until a homogenous consistency is achieved, then, whilst continually stirring, add the resin (Part A) until a uniform colour is obtained. **ANY UNMIXED MATERIAL WILL NOT HARDEN.** If there is a requirement for a faster cure, Screedmaster One Coat Accelerator should be added to the mixed material at this stage. For full product details see Screedmaster One Coat Accelerator datasheet. Use 1 x 250ml unit of accelerator for a 5kg kit or 2 x 250ml units of accelerator for a 10kg kit. Thoroughly mix the accelerator into the One Coat Membrane. As soon as mixing has been completed apply the material.

2 PART SOLVENT FREE EPOXY MEMBRANE

■
SUPPRESSES SUB FLOOR MOISTURE

■
UP TO 97% RELATIVE HUMIDITY

■
SINGLE COAT

■
SUITABLE FOR CONCRETE & SAND/CEMENT SCREEDS

ACCELERATOR AVAILABLE FOR FAST TRACK INSTALLATIONS

TYPE OF SOLVENT
Solvent Free
APPROX. COVERAGE
Up to 25m ² per 10kg kit Up to 12.5m ² per 5kg kit
APPLICATION TEMP. LIMITS
10°C to 30°C
SERVICE TEMP. LIMITS
-20°C to 60°C
POT LIFE
Approx 30 minutes at 20°C.
CURING TIME (at given floor temp)
8 Hours @ 20°C, 16 Hours @ 10°C
CURING TIME (with Accelerator)
3 Hours @ 20°C, 6 Hours @ 10°C
FILM THICKNESS
Approx. 290 microns minimum at 25m ² per 10kg kit
SIZES AVAILABLE
10kg and 5kg kits

APPLICATION

POWER FLOATED CONCRETE

Ensure all surface hardeners and additives have been removed. This will require shotblasting or mechanical abrasion. All contaminants from previous trades must be removed to leave a clean, dust free surface with no standing water

For Relative Humidity up to 95%

Spread evenly over the floor surface using a brush, roller or a triangular notched trowel cut to a minimum notch size of 1.5mm x 5mm. (Follow by over rolling).

Ensure the mixed material is worked well into the surface. It is essential that a pinhole free coating is achieved and that a maximum coverage rate of 25m² per 10 kg unit is obtained.

For Relative Humidity between 95 and 97%

Spread evenly over the floor surface using a brush, roller or a triangular notched trowel cut to a minimum notch size of 2.0mm x 6mm. (Follow by over rolling).

Ensure the mixed material is worked well into the surface. It is essential that a pinhole free coating is achieved and that a maximum coverage rate of 20m² per 10 kg unit is obtained.

SAND CEMENT SCREEDS

One Coat Membrane can be used on well compacted lightly textured sand cement screeds. If there is any doubt as to the suitability of the screed please contact Flooring Technical Services.

Based on a sound, strong well compacted screed Screedmaster One Coat can be used where moisture readings are no greater than 95%RH.

Spread evenly over the floor surface using a brush, roller or a triangular notched trowel cut to a minimum notch size of 2.0mm x 6mm. (Follow by over rolling).

Ensure the mixed material is worked well into the surface. It is essential that a pinhole free coating is achieved. Coverage rate of 17 to 20 m² per 10 kg unit will be required, dependent upon screed conditions.



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Please refer to the disclaimer at the bottom of the final page of this Technical Data Sheet



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ONE COAT MEMBRANE

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IN ALL CASES THE CURED ONE COAT MEMBRANE SHOULD APPEAR GLOSSY AND BE PIN HOLE FREE. IF MATT IN APPEARANCE OR IF PIN HOLES ARE PRESENT THEN A FURTHER APPLICATION IS REQUIRED.

Once the completed coating has fully cured, to assist the adhesion of a smoothing compound thoroughly prime with Screedmaster Universal Primer. Cover with a minimum 3mm thickness of a cementitious Screedmaster Smoothing Compound in order to provide an absorption medium for any subsequent adhesive.

It is not always necessary to cover One Coat Membrane with a smoothing compound, especially if the following adhesives are to be used:

Contract Flooring Adhesives:

L72 Multitack, L79 Supertack, Epoxy 2000, Gripfill Contact Adhesive

Freelance Spray System:

L250 Carpet Tile Tackifier

In all cases it is advisable to apply the adhesive between 1 to 2 days after the final coat of One Coat Membrane.

Cleaning of Tools:

Clean equipment immediately after use with a suitable proprietary cleaning fluid before material has hardened. Mixed product can be left to harden and equipment and packaging disposed of as non hazardous.

Storage:

12 months under good storage conditions in original, unopened containers. Keep out of direct sunlight at a temperature of between 10°C and 35°C.



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