



Sovereign Epoxy Damp Proof Membrane

A solvent free two-part resin that cures to provide a surface DPM.



Product Code
30806169

Description

Sovereign Epoxy DPM is a solvent free two-part resin that chemically cures to provide a surface membrane. It is used to suppress residual moisture in concrete and sand cement screeds allowing early installation of floor coverings. It can also be used on floors tanked with Sovereign Hey'di K11 when a vapour barrier is required. Also useful in properties where dampness is rising through a floor due to a defective or missing sheet membrane.

Form Supplied: Two part liquid

Pack Sizes: 5 kg

Colour Range: Blue

Contains: Blend of epoxide resin, chemical hardener and speciality additives

Properties

Colour coded blue to allow for visual control of coverage. Cures in 3 hours at 20°C.

Will isolate residual construction moisture with relative humidity values of up to 92% with one coat, and 100% using two coats.

Preparation

Floors must be absorbent, sound, smooth, clean, surface dry and free from dust, grease, old adhesive residues and other contaminants that will prevent adhesion. Bases must be hard and any laitance, surface hardeners or water proofers must be removed. The floor temperature must be above 10°C when the membrane is applied. New concrete or sand cement screeds must be left for a minimum of 7 days before application of the membrane. Power floated subfloors should be shot-blasted to promote adhesion, alternatively power floated floors can be etched with Sovereign Descaler – contact technical sales manager for details.

Day joints in the sub floor where continual differential movement is not anticipated, or small hollows may be filled with Sovereign Epoxy DPM mixed with dry sand or sharp grit and allowed to fully cure before applying the membrane.



Sovereign Epoxy Damp Proof Membrane

Technical
Data Sheet **192**

MIXING

Empty all the contents of the hardener container into the resin container and thoroughly stir together using a power whisk fitted to a low speed electric drill, until a uniform colour and consistency is achieved (approx. 2 minutes). Scrape the sides of the container to ensure all the resin component has been mixed. It is important that once mixed the membrane is applied immediately to the floor. If left to stand in the pot the mixed material will have a reduced pot life and rapid curing can occur.

USAGE

Once mixed and poured on to the floor Sovereign Epoxy DPM will remain workable for around 30 minutes at 20°C. At lower temperatures this time will be extended and reduced at higher temperatures.

Apply the Epoxy DPM to the whole floor and up to the DPC in the wall. Sovereign would recommend that the wall/floor joint should have the 90° angles smoothed out by applying a fillet of Hey'di Barrier Mortar. This should be applied 24 hours before the Epoxy DPM. Alternatively once the Epoxy DPM has cured then a fillet of Prostick 2000 can be used.

Pour the product on to the floor immediately after mixing. Then using a roller pre-wetted with the membrane, obtain an even, pinhole free coating ensuring that the coverage quoted is not exceeded. It is essential that the membrane hardens to form a continuous coating free from pinholes and weak spots.

Once cured the coating should have a glossy blue finish over the whole floor. When applied to very absorbent surfaces, the membrane can be absorbed into the floor leaving a subdued shine, in such circumstances or where pinhole and weak spots are evident, a second application will be required.

When the membrane has fully cured apply Sovereign Neoprene Primer, before applying Sovereign Floor Levelling Compound or Tile Adhesive. Alternatively if a flexible floor covering is required (carpet, lino, vinyl etc) then a suitable pressure sensitive adhesive may be used – contact the Sovereign Technical Area Sales Managers for advice. Carpet gripper rods should be bonded to the membrane using Sovereign PU Rapid and Construction Adhesive.

LIMITATIONS

Sovereign Epoxy DPM is not a wearing surface. Mix only in full packs as mixing ratio is critical.

Construction joints designed to allow movement of the subfloor must not be bridged with Sovereign Epoxy DPM. These joints must be sealed with a suitable jointing compound after the application of the membrane.

Do not over mix as this can generate heat and shorten the normal working time.

Do not store the product above 25°C prior to mixing, as this will shorten the normal working time.

Failure to ensure that all of the resin and hardener is completely mixed prior to application will leave patches of soft, uncured material on the floor and render the membrane ineffective.

Not suitable for floors that incorporate under floor heating. Do not use over synthetic anhydrite subfloors.

IMPORTANT INFORMATION

Where hydrostatic water pressure is an issue then Sovereign Hey'di K11 should be used (on structural concrete floors) prior to application of the Epoxy DPM. Please contact our Technical Area Sales Managers where an individual advice can be prepared.

It is essential that hygrometer readings in accordance with Appendix A of BS 8203 Installation of resilient floor coverings are taken and recorded prior to commencing the installation. Where readings are below 92% then a single coat of Sovereign Epoxy DPM will suffice. Floors with a relative humidity of greater than 92% will require two coats of Sovereign Epoxy DPM. The second coat must be applied as soon as the first has cured – around 3 hours.

COVERAGE

Approximately 3m² per kg per coat.

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Technical
Data Sheet

192

Storage: Between 5°C – 25 °C.

Shelf Life: 24 months in unopened containers.

HEALTH & SAFETY

HARDENER

- ! Avoid contact with eyes.
- ! In case of contact with eyes rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection.
- ! In case of accident or if you feel unwell seek medical advice immediately. Use only in well ventilated areas. This material and its container must be disposed of as hazardous waste.

RESIN

- ! May cause long-term adverse effects in the aquatic environment. Avoid contact with skin and eyes. After contact with skin wash immediately with plenty of water. Wear suitable protective clothing, gloves and eye/face protection. Avoid release to the environment.
- ! Contains epoxy constituents.



Health & safety information
available on request



Important Disclaimer

The information given is in good faith based on experience and usage, however all recommendations are made without warranty or guarantee, since the conditions of use are beyond our control. All goods are sold in accordance with our Conditions of Sale, copies of which are available on request. Customers are advised that product, techniques and codes of practice are under constant review and changes occur without notice. Please ensure you have the latest updated information.



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