DPM-250

Flexible Epoxy Damp Proof Membrane

DESCRIPTION

DPM-250 is a two pack, solvent free flexible epoxy damp proof membrane designed to control residual construction moisture and rising damp in concrete and cementitious substrates. It provides an effective barrier to moisture vapour transmission at relative humidity levels of up to 98% RH, allowing earlier installation of resin systems, floor coverings and adhesives without waiting for the substrate to dry naturally.

DPM-250 combines flexibility with strong substrate adhesion, allowing the membrane to accommodate minor movement while maintaining a continuous and impervious barrier. Once cured, it provides a stable base for subsequent Jofa Resins epoxy, polyurethane and polyaspartic systems, as well as smoothing compounds beneath vinyl, timber and carpet finishes. It is suitable for both new build and refurbishment projects where moisture control and programme efficiency are critical.

Features & Benefits

- **Flexible epoxy membrane**
- **Controls residual moisture and rising damp**
- **Suitable for up to 98% RH**
- **Excellent adhesion to concrete**
- **Accommodates minor substrate movement**
- **Seamless and impervious barrier**
- **Allows earlier floor installation**
- **Solvent free and low odour**
- **Suitable for new build and refurbishment**

Packaging Kit

DPM-250 is supplied in pre-weighed units to ensure correct mixing ratios:

5 kg unit (Part A + Part B)

15 kg unit (Part A + Part B)

25 kg unit (Part A + Part B)

Coverage

Typical consumption **0.3–0.5 kg/m² per coat** depending on substrate porosity and surface profile.
A 15 kg unit covers approximately **30–50 m² per coat** under standard conditions.

Coverage may vary depending on substrate porosity, surface profile and application method.

Environmental Conditions

Application should be carried out between 10°C and 30°C with the substrate maintained at least 3°C above the dew point to avoid condensation. Relative humidity of the environment should not exceed 85 % during application and the first 48 hours of curing. Adequate ventilation must be ensured throughout installation and curing.

Substrate Requirements

Concrete substrates must be structurally sound with a minimum compressive strength of 25 N/mm² and a tensile strength above 1.5 N/mm². Surfaces must be free from laitance, dust, curing agents, sealers, oils, grease and friable material. Mechanical preparation by vacuum shot blasting or diamond grinding is recommended to provide a clean, open textured surface. **DPM-250** is moisture tolerant and can be applied to substrates with up to 98 % RH (measured in accordance with BS 8203).

Mixing

All components should be conditioned to 15 °C – 25 °C before mixing. Part A (Resin) is poured into a clean container and Part B (Hardener) is added. The two parts are blended using a slow speed drill (300–400 rpm) until a homogeneous mixture is obtained. The mixed primer must be applied without delay.

Product Application

DPM-250 is applied by roller, squeegee or brush, ensuring full coverage and penetration into the substrate.
For substrates with **up to 85 % RH, one coat** is generally sufficient. **For 85–93 % RH, two coats** are recommended. For substrates **up to 98 % RH, three coats** may be required to achieve full moisture tolerance. Each coat must be applied uniformly and allowed to cure before applying subsequent layers.

Appearance

Pigmented liquid that cures to form a coloured film on the substrate.

Chemical Resistance

DPM-250 is resistant to water, salts, oils and a wide range of common chemicals. For detailed resistance information, please contact the Technical Department.

Product Confines

DPM-250 should only be applied when relative humidity of the environment is below 85 % and substrate temperature is at least 3 °C above the dew point. It is intended for use as a moisture tolerant primer and surface damp proof membrane and should always be overcoated with a suitable flooring system. Slight ambering may occur under UV exposure without affecting performance.

Cleaning

Tools and equipment should be cleaned immediately after use with **JofaSolvent,** the recommended cleaning agent for epoxy products. Once cured, residues can only be removed by mechanical means.

Health & Safety

Refer to the Safety Data Sheet (SDS) before use. Applicators must wear appropriate PPE including chemical resistant gloves, safety glasses and respiratory protection in poorly ventilated areas.

Disposal of Containers

Empty containers must be treated with the same precautions as full ones and disposed of via an authorised hazardous waste contractor.

Any remaining Part A and B should be mixed together and allowed to cure before disposal.

Additional Information

Jofa Resins endeavour to ensure that all product guidance provided is accurate and correct. Information given by or on behalf of Jofa Resins is based on tests and installations and on our current knowledge and experience. It implies no warranty or guarantee arising from the use of its products as the substrate and site conditions and the actions of any installation team involved in product application is beyond our control. Whether or not in accordance with any advice, recommendation, specification, or information given by Jofa Resins.

Jofa Resins products are guaranteed against defective materials and manufacture and are sold subject to our standard terms and conditions of sale, copies which can be obtained upon request.

Please contact the Jofa Resins Technical Department for further assistance.

TECHNICAL INFORMATION

Shelf Life	24 Months when stored in unopened containers under proper conditions.
Pot Life Temp 20°C	15 to 20 Minutes
Curing Schedule 20°C	**Recoating:** 4 - 6 h once surface is tack free.• **Light traffic:** 24 h • **Full cure**: 7 days
FeRFA Floor Guide	Type 2
Storage	This Product must be stored off the ground in original packaging, unopened and un-damaged. The ambient conditions must be dry and between 10°C and 25°C with no direct sunlight. Protect from frost.
Temperature Resistance	Up to 60 °C
Fire Classification EN 13501-1	B_{fl}-s1
Adhesion Strength EN 13892-8	>3 N/mm²

The above values, based on laboratory tests and our practical experience with this product, represent typical properties measured under standard laboratory conditions of 20 °C and 50 % relative humidity.

GET IN TOUCH
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