DPM-230

Moisture Tolerant Epoxy Primer

DESCRIPTION

DPM-230 s a two pack solvent free epoxy primer formulated with 100% solids epoxy resins and designed for use on substrates with high residual moisture. It acts both as a primer and a surface applied damp proof membrane, allowing subsequent epoxy or polyurethane systems to be installed on concrete substrates with relative humidity up to 98 %. Its low viscosity ensures strong penetration into the substrate, consolidating the surface, sealing porosity and providing a secure bond for overlay systems.

DPM-230 cures rapidly even at lower application temperatures, forming a dense, durable film resistant to moisture ingress and long term service conditions. It creates a sealed, stable surface suitable for screeds, resin systems, vinyl, carpet, tiles and wood, and is effective for both new construction, refurbishment projects and as a primer for green concrete where early installation of flooring systems is required.

Features & Benefits

- **Moisture tolerant epoxy primer**
- **Functions as a damp proof membrane**
- **Tolerates up to 98 % RH**
- **Solvent free, low odour application**
- **Fast drying between coats**
- **Improves adhesion of subsequent systems**
- **Reduces risk of osmotic blistering**
- **Cures even at low temperatures**

Packaging Kit

DPM-230 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 **0.25–0.30 kg/m² per coat** depending on substrate porosity and surface profile.
A 15 kg unit covers approximately **50–60 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-230** 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-230 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-230 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-230 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.

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