OT-235

Oil Tolerant Epoxy Primer

DESCRIPTION

OT-235 is a two pack solvent free epoxy primer designed for use on concrete substrates where residual oil contamination may be present. Its low viscosity epoxy formulation wets out and adheres to prepared surfaces, helping to seal the substrate and promote adhesion of subsequent epoxy, polyurethane or cementitious systems.

OT-235 assists in refurbishment projects where complete removal of absorbed oils is not possible, providing a sound base for further flooring installations.

Features & Benefits

- **Oil tolerant epoxy primer**
- **Effective on contaminated substrates**
- **Solvent free, 100% solids formulation**
- **Improves adhesion of overlay systems**
- **Can be used for refurbishment projects**
- **Low odour, suitable for occupied areas**
- **Cures even at low temperatures**

Packaging Kit

OT-235 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 **0.25–0.50 kg/m² per coat** depending on substrate porosity and surface profile.
A 15 kg unit covers approximately **30–60 m² per coat** under standard conditions.

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

Environmental Conditions

Application and curing should take place between 10 °C and 30 °C. The substrate temperature must remain at least 3 °C above the dew point to avoid condensation. Relative humidity during application and for the first 48 hours of curing should not exceed 85 %. Adequate ventilation is essential to ensure correct curing.

Substrate Requirements

Concrete substrates must have a minimum compressive strength of 25 N/mm² and tensile strength above 1.5 N/mm². Substrates should be mechanically prepared by vacuum shot blasting or diamond grinding to remove laitance, dust, weak surface layers and free oil contamination. **OT-235** is designed to tolerate residual absorbed oils that cannot be removed by standard preparation, but surfaces should be as clean and sound as possible for best performance.

Mixing

All components should be conditioned to 15 °C – 25 °C before use. 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 uniform mixture is achieved. The mixed material must be applied immediately.

Product Application

OT-235 is applied using a roller, brush or squeegee, working the primer well into the prepared surface to ensure penetration and full coverage. One or two coats may be required depending on the level of contamination and porosity. Where a scratch coat is necessary, **OT-235** can be filled with kiln dried quartz sand to close surface voids.

Appearance

Colourless liquid that cures to form a transparent film on the substrate.

Chemical Resistance

OT-235 is resistant to water, salts, oils and a wide range of common chemicals. For detailed resistance information, please contact the Technical Department.

Product Confines

OT-235 should only be applied when substrate temperature is at least 3 °C above the dew point and ambient relative humidity is below 85 %.
It is designed for use on oil contaminated concrete but is not a substitute for thorough preparation; best performance is achieved when surfaces are mechanically cleaned and sound. Slight colour variation 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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