JOFACRETE PRIMER

Polyurethane Cement Based Primer

DESCRIPTION

JofaCrete Primer is a high performance polyurethane cement primer specifically developed for use with JofaCrete flooring systems. It penetrates and seals concrete substrates, providing a stable and well bonded surface that maximises adhesion and durability of subsequent resin toppings.

Applied with a squeegee, medium pile roller or brush, the primer creates a uniform film that reduces porosity, minimises the risk of pinholes and ensures reliable long term performance of the complete flooring system.

Features & Benefits

- **Easy to apply**
- **Compatible with all JofaCrete products and systems**
- **Effective as both primer and sealer**
- **Excellent adhesion**
- **Non-tainting**

Packaging Kit

6.7 kg unit consisting of the following components:

Part A (Resin): 2.30 kg
Part B (Hardener): 1.40 kg
Part C (Aggregate): 3.00 kg

Coverage

Approx. 0.28 kg/m² @ 200 microns thickness
6.7 kg will cover 23.9m² at 200 microns thickness.

Coverage figures provided are theoretical. Practical coverage rates may vary due to application factors such as site conditions, surface profile, and substrate porosity.

Environmental Conditions

JofaCrete Primer should be applied only when both air and substrate temperatures are within 10 °C and 30 °C, and the substrate remains at least 3 °C above dew point. Relative humidity during application and early curing must not exceed 85 %. The working area should be kept well ventilated to avoid condensation and ensure an even cure.

Installations outside of these parameters may affect curing time, surface appearance and long term performance. For concrete bases in direct contact with the ground, a damp proof membrane should be incorporated into the slab design in accordance with CP102 Code of Practice for Protection of Buildings Against Water from the Ground.

Substrate Requirements

Concrete substrates must be structurally sound with a minimum compressive strength of 25 N/mm² and a tensile strength greater than 1.5 N/mm². Surfaces must be clean, dry and free from laitance, dust, grease, curing agents or other contaminants. Mechanical preparation, such as diamond grinding or shot blasting, is required to provide a suitably keyed, open textured surface.

Moisture content should always be checked prior to installation. Substrates must not exceed 90 % RH and must be free from rising damp or groundwater pressure.

Mixing

Before use, ensure all materials are conditioned to a temperature between 15 °C and 25 °C. Mixing should be carried out using a rotary drum mixer or a suitable forced action mixer. First, pour Part A (Resin) into the vessel and add the Pigment Pack, mixing for approximately 1 minute. Then add Part B (Hardener) and continue mixing for a further 1–2 minutes until a homogeneous blend is obtained. Finally, introduce Part C (Filler) gradually and mix for an additional 2–3 minutes until the mixture is smooth and uniform in appearance, free from streaks or unmixed material.

Once prepared, the primer must be applied immediately to avoid loss of workability and to ensure optimum performance.

Product Application

JofaCrete Primer should be applied evenly to the prepared substrate using a squeegee, medium pile roller or brush. The material must be worked well into the surface to ensure complete wetting and uniform coverage, avoiding any excess build up or pooling. In highly porous or absorbent substrates, a second coat may be necessary to achieve full sealing and to provide an ideal base for subsequent JofaCrete flooring systems.

Product Confines

JofaCrete Primer should only be applied when air and substrate temperatures are within the recommended range and at least 3 °C above the dew point. Application must not proceed if atmospheric relative humidity exceeds 90 % or if the substrate temperature is below 10 °C during application or curing. Such conditions may adversely affect curing and surface appearance. Minor colour variation may occur under UV exposure without affecting performance.

Health & Safety

Refer to the Safety Data Sheet (SDS) before use. Applicators must wear protective gloves, goggles and suitable respiratory protection when working in confined or poorly ventilated areas. Avoid contact with skin and eyes.

Disposal of Containers

Empty containers must be handled with the same care as full ones and treated as hazardous waste. Disposal should be carried out through an authorised waste management contractor in accordance with local regulations.

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

Additional Information

Jofa Resins endeavours to ensure that all technical information provided is accurate and up to date. The data is based on tests, applications, and our current knowledge and experience. However, it does not constitute a warranty, as the performance of the products depends on substrate conditions, site circumstances and the actions of the installation team, all of which are beyond our control even when our recommendations or specifications are followed.

Jofa Resins products are guaranteed only against defects in materials and manufacturing, and are supplied in accordance with our Standard Terms and Conditions of Sale, available on request.

For further assistance, please contact the Jofa Resins Technical Department.

TECHNICAL INFORMATION

Shelf Life	**Part A (Resin) & Part B (Hardener):** 12 months. **Part C (Aggregate)**: 6 months, when stored in unopened containers under proper conditions.
Pot Life Temp 20°C	10 to 15 Minutes
Curing Schedule 20°C	**Light Traffic:** 12-16 hours | **Full Traffic:** 48 hours | **Full Chemical Cure:** 7 Days
FeRFA Floor Guide	Type 2
Storage	Keep in a dry environment with temperatures ranging from 15°C to 30°C. To prevent moisture contamination, aggregates should also be stored in a dry location, as exposure to moisture can adversely affect the product.
Adhesion Strength EN 13892-8	>2.0 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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