JOFACRETE CG

Polyurethane Cement Coving Screed

DESCRIPTION

JofaCrete CG is a polyurethane cement coving mortar developed for the formation of seamless skirting and wall-to-floor junctions. The system is designed to provide a dense, durable and hygienic coving detail that integrates with JofaCrete flooring systems, creating a continuous, monolithic surface that is easy to clean and resistant to impact and chemicals.

The product incorporates an **antimicrobial additive tested to ISO 22196:2011**, making it ideal for food and beverage processing, pharmaceutical facilities and chemical industries where hygiene and durability are critical. **JofaCrete CG** provides excellent adhesion to prepared substrates and is resistant to abrasion, chemicals and thermal shock.

Features & Benefits

- **Seamless coving and skirting**
- **Enhanced chemical resistance**
- **High impact and abrasion resistance**
- **Hygienic and easy to clean**
- **Compatible with JofaCrete flooring systems**
- **Non-tainting**
- **Matt finish**

Packaging Kit

25.4 kg unit consisting of the following components:

Part A (Resin): 1.00 kg
Part B (Hardener): 1.00 kg
Part C (Aggregate): 23.00 kg
Pigment Pack: 0.40 kg

Coverage

Approx. 3 kg 1 linear metre of coving (150 mm high × 50 mm base at 5 mm 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 CG Application should only proceed when air and substrate temperatures are between 10 °C and 30 °C, and at least 3 °C above the dew point. Relative humidity during application and initial curing must not exceed 85 %. The working area must be well ventilated to ensure uniform curing and to avoid condensation on the surface.

Substrate moisture levels must be checked before application. Concrete bases should not exceed 90 % RH and must be free from rising damp or groundwater pressure.

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 and contaminants. Mechanical preparation, such as diamond grinding or shot blasting, is required to provide a suitably keyed surface.

Anchor channels of approximately 18 mm deep x 8 mm wide should be cut at all perimeters, terminations, doorways and coving transitions to ensure proper anchorage.

Priming Requirements

Apply **EPT-115 Epoxy Tack Primer** using a brush, ensuring full penetration and a uniform coating. **JofaCrete CG** should be applied directly onto the primer as soon as it becomes tacky to form the required coving profile.

For anchor joints, apply the primer with a brush, taking care not to fill the channels. **JofaCrete CG** must be applied while the primer remains tacky, as once fully cured it will no longer provide an effective bond for the coving.

Refer to the respective Technical Data Sheets for further details on application conditions, overcoating times and safety measures.

Mixing

All components must be conditioned between 15 - 25 °C prior to mixing. Add Part A (Resin) and the Pigment Pack into a clean mixing vessel and mix for 1–2 minutes with a slow speed drill or forced action mixer until uniform. Add Part B (Hardener) and continue mixing for a further 1–2 minutes. Gradually introduce Part C (Aggregate/Filler) while mixing for an additional 2–3 minutes until a homogeneous, consistent mass is obtained.

Apply the prepared material immediately after mixing to maintain workability.

Product Application

JofaCrete CG should be applied to primed surfaces using a steel trowel. The mortar is worked into anchor channels and shaped into the desired coving profile using coving tools. The surface should be finished to a smooth, even texture consistent with adjacent floor finishes.

Material should be applied wet-on-wet where possible to achieve full integration with the JofaCrete floor system. The coving must be protected from water, condensation or contamination during curing.

Chemical Resistance

JofaCrete CG offers outstanding resistance to organic and inorganic acids, alkalis, solvents, oils, fats and cleaning chemicals commonly used in food, beverage and pharmaceutical production. For detailed chemical resistance data, please contact the Technical Department.

Appearance

JofaCrete CG provides a seamless, matt surface with a slip resistant texture. It is available in a range of standard colours.

Product Confines

JofaCrete CG should only be applied when environmental conditions 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.

Cleaning

JofaCrete HF can be maintained using standard food factory cleaning methods, including power washing, rotary scrubbers and floor scrubber dryers with appropriate cleaning chemicals. A regular cleaning regime is recommended to preserve slip resistance, appearance and service life. After using detergents or chemicals, all areas should be rinsed thoroughly with clean water.

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:** 24 hours | **Full Traffic:** 48 hours | **Full Chemical Cure:** 7 Days
FeRFA Floor Guide	Type 8
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.
Compressive Strength EN 13892-2	>40 N/mm²
Fire Classification EN 13501-1	B_{fl}-s1
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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