Jofa-Aqua-145

Water Based Epoxy Coating

DESCRIPTION

Jofa-Aqua-145 is a two pack water based epoxy coating for use on concrete and cementitious substrates. It provides a durable, low odour and environmentally responsible finish suitable for a wide range of industrial and commercial flooring applications.

Provides excellent adhesion to both dry and damp substrates and allows for vapour permeability, helping to reduce the risk of blistering or delamination when applied to substrates with residual moisture.

Features & Benefits

- **Excellent bond strength**
- **Easy application**
- **Effective as a primer and coating**
- **Durable and abrasion resistant**
- **Vapour permeable system**
- **Provides a seamless and uniform finish**
- **Low VOC and low odour**

Packaging Kit

Jofa-Aqua-145 is supplied in pre-weighed units to ensure correct mixing ratios:

5 kg unit (Part A + Part B)
20 kg unit (Part A + Part B)

Coverage

Typical consumption is **0.12–0.15 kg/m² per coat.**
A 20 kg unit will cover approximately 133–167 m² per coat.
Coverage may vary depending on substrate porosity, surface profile and application method.

Environmental Conditions

Application should take place between 10 °C and 30 °C with substrate temperature at least 3 °C above the dew point. Ambient relative humidity should ideally be below 80 percent during application and early curing. Adequate ventilation is required to ensure consistent drying and curing.

Installations outside of these parameters may affect drying 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 achieve a compressive strength of at least 25 N per mm² and a tensile strength above 1.5 N per mm². Substrates may be dry or slightly damp, but must be clean, sound and free from laitance, dust, oils, grease, curing agents or other contaminants.

Mechanical preparation such as shot blasting or grinding is recommended to provide a suitable surface profile for adhesion. No standing water should be present at the time of application.

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 mixed using a slow speed drill (300–400 rpm) until a uniform blend is achieved. The mixed product must be applied immediately.

Product Application

Once mixed apply to the required thickness using a squeegee, medium pile roller and/or brush. The material should be worked into the substrate surface to an even consistent finish avoiding any pooling. Two coats are required to ensure a complete sealed surface.

Appearance

Gloss finish available in a wide range of standard colours according to the Jofa Resins colour chart. Bespoke RAL colours may be supplied on request.

Product Con nes

Jofa-Aqua-145 should only be applied if ambient temperatures are above 10 °C, when the substrate temperature is at least 3 °C above the dew point, and ambient relative humidity is below 80%. The coating performs reliably in light to medium duty service conditions. Slight colour variation may occur under UV exposure without affecting performance.

Chemical Resistance

Jofa-Aqua-145 provides good resistance to a range of common chemicals including oils, greases, detergents and mild acids and alkalis. Prolonged exposure to aggressive chemicals or solvents may affect the coating and should be avoided.

For optimal performance and safety, good housekeeping practices should be followed. For further advice, please consult our Technical Department.

Cleaning

Jofa-Aqua-145 hould be maintained through regular cleaning using scrubber dryers or rotary machines fitted with soft pads, together with a neutral pH cleaning solution diluted in warm water. Daily sweeping or vacuuming is recommended to remove dust and grit that may cause surface abrasion. Spills of oils, foodstuffs or chemicals should be removed promptly with a damp mop to prevent staining.

For periodic maintenance, a mild neutral detergent may be used followed by rinsing with clean water. Abrasive powders, steam cleaning, and highly alkaline or acidic products should be avoided as they may affect the surface finish.

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

Pot Life Temp 20°C	40 -50 Minutes
Curing Schedule 20°C	**Foot traffic:** 8 h • **Light traffic:** 48 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 30°C with no direct sunlight. Protect from frost.
Vapour Permeability EN ISO 7783	≈ 70g/m² day
Impact Resistance EN ISO 6272	≥ 5 Nm
Temperature Resistance	Up to 60 °C
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.

JOFA RESINS
AMAZING PRODUCTS & SERVICES

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