SRS-700

Deep Penetrating Epoxy Primer

DESCRIPTION

SRS-700 is a two pack solvent free epoxy primer with ultra-low viscosity designed for deep penetration into porous or weak concrete substrates. Based on 100% solids epoxy technology, it consolidates and strengthens the surface while creating an excellent bonding interface for subsequent epoxy, polyurethane or cementitious topping systems. Its high wetting properties reduce porosity, seal dusting surfaces and minimise outgassing and pinholing in overlay systems. The product cures to a transparent, hard film that ensures long term durability and secure adhesion.

Features & Benefits

- **Ultra-low viscosity epoxy primer**
- **Deep penetration and consolidation**
- **Solvent free, 100% solids technology**
- **Improves adhesion of subsequent systems**
- **Minimises outgassing and pinholing**
- **Strengthens weak and porous concrete**
- **Low odour during application**

Packaging Kit

SRS-700 is supplied in pre-weighed units to ensure correct mixing ratios:

5 kg unit (Part A + Part B)

10 kg unit (Part A + Part B)

Coverage

Typical consumption is **0.25–0.30 kg/m² per coat**. On very porous substrates, coverage may increase up to 0.6–1.0 kg/m². Actual coverage depends on surface profile, porosity and application method.

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 be at least 3 °C above the dew point to prevent condensation. Relative humidity should not exceed 75 % during application and for the first 48 hours of curing. Adequate ventilation is essential to achieve full curing and consistent finish.

Substrate Requirements

Concrete must have a compressive strength of at least 25 N/mm² and a tensile strength greater than 1.5 N/mm². Substrates must be dry, with a maximum relative humidity of 75 % (measured according to BS 8203). Surfaces must be clean, sound and free from laitance, oil, grease, dust, curing agents and loose particles. Mechanical preparation such as vacuum shot blasting or diamond grinding is recommended.

Mixing

All components should be conditioned to 15 °C – 25 °C prior to use. Part A (Resin) is poured into a clean container and Part B (Hardener) is added. The two components are mixed with a slow speed drill (300–400 rpm) for at least 2 minutes until homogeneous. The material must be applied immediately after mixing.

Product Application

SRS-700 is applied to the prepared and primed substrate using a roller, brush or squeegee, working the material well into the surface to ensure complete absorption. On highly porous substrates, additional coats may be required until the surface achieves full saturation. For very porous or weak surfaces, **SRS-700** may be applied in multiple passes to maximise consolidation and penetration.

Appearance

Clear to slightly amber liquid which cures to a transparent film on the substrate.

Chemical Resistance

SRS-700 has good resistance to a wide range of alkalis, oils and diluted acids. For specific chemical resistance enquiries, please contact the Technical Department.

Product Confines

SRS-700 should only be applied when relative humidity is below 75 % and substrate temperature is at least 3 °C above the dew point. It is intended for use as a primer and should always be overcoated with a suitable epoxy or polyurethane system. 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	20 to 25 Minutes
Curing Schedule 20°C	**Overcoating:** 12–24 h • **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 5°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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