# EPSL-3000

*Epoxy Self Smoothing*

## DESCRIPTION

**EPSL-3000** is a high performance epoxy self smoothing system designed to produce seamless, durable and hygienic floors with a decorative gloss finish. Formulated with 100% solids epoxy resin, it is typically applied at 2–3 mm thickness to provide a dense surface with outstanding compressive and abrasion resistance.

The system is particularly suited for industrial, commercial and institutional environments where a combination of aesthetics, durability and ease of cleaning is required. Typical applications include production facilities, laboratories, retail units, healthcare facilities, educational buildings and public spaces. **EPSL-3000** offers long term resistance to wear, abrasion and a wide range of chemicals, making it a reliable solution for demanding service conditions.

## Features & Benefits

- **Seamless self smoothing finish**
- **High compressive strength**
- **High mechanical strength**
- **Excellent abrasion resistance**
- **Wide colour selection**
- **Easy to clean surface**
- **Hygienic and dust free**

## Packaging Kit

Standard 25.0 kg kit consisting of:

**Part A & Part B ( Resins & Hardener):**9.0 kg
**Part C (Filler):** 16.0 kg

## Coverage

Typical consumption: **1.8 kg/m² per mm thickness.**
A 25.0 kg kit covers approx. **4.63 m² at 3 mm thickness.**

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

## Environmental Conditions

During application and curing, both ambient and substrate temperatures must be controlled between 15 °C and 30 °C. The substrate should always remain at least 3 °C above the measured dew point to prevent surface condensation, which may lead to defects such as pinholes or loss of gloss.

Relative humidity must not exceed 75 % during installation and for the first 48 hours of curing. Adequate ventilation is required to promote correct curing, uniform colour development and consistent surface appearance.

## Substrate Requirements

Concrete substrates must have a minimum compressive strength of 25 N/mm² and a cohesive strength of at least 1.5 N/mm². Moisture content must be below 75 % RH unless a moisture tolerant primer is used.

The surface must be free from laitance, dust, grease, curing agents and loose material. Mechanical preparation such as shot blasting or diamond grinding is recommended to achieve an open textured surface suitable for coating adhesion.

## Priming Requirements

**EPSL-3000** must be applied over a primer to ensure adhesion:

- Dry substrates (<75 % RH): apply **EPR-100 Solvent Free Epoxy Primer.**
- Damp substrates (>75 % RH): apply **DPM-230 Moisture Tolerant Epoxy Primer.**

Highly porous surfaces may require two primer coats.

## Mixing

All components should be conditioned to 15 °C – 25 °C before mixing. Part A (Resin) is poured into a clean container and Part B (Hardener) is added, mixing with a slow speed drill (300–400 rpm) for approximately 2 minutes until homogeneous. Part C (Filler) is then added gradually while mixing continues until a smooth, uniform blend is obtained. The material must be applied immediately after mixing.

## Product Application

**EPSL-3000** is poured onto the prepared and primed surface and spread using a notched trowel or pin rake to achieve the desired thickness (typically 2–3 mm). The material will self level. Spiked rolling must be carried out immediately after application to release trapped air and ensure a uniform finish.

## Appearance

Smooth, seamless self levelling finish with a gloss appearance. Available in a wide range of standard colours as per the Jofa Resins colour chart.

## Chemical Resistance

**EPSL-3000** resists a wide range of oils, alkalis, salts and dilute acids. For specific resistance enquiries, contact the Technical Department.

## Product Confines

**EPSL-3000** should only be applied when relative humidity is below 75 % and substrate temperature is at least 3 °C above the dew point. The system performs reliably up to 60 °C in continuous service. Slight colour variation may occur in light colours upon UV exposure without affecting performance.

## Cleaning

**EPSL-3000** floors should be maintained through regular cleaning with scrubber dryers or rotary machines fitted with soft pads, using a neutral pH cleaning solution diluted in warm water. Daily sweeping or vacuuming is recommended to remove dust and grit that may cause scratching. Spills of food, oils or chemicals should be removed immediately with a damp mop to prevent surface staining.

For periodic maintenance, a mild neutral detergent may be applied followed by rinsing with clean water. The use of abrasive powders, steam cleaners, highly alkaline or acidic products must be avoided, as they can damage or dull the glossy 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

| | |
|---|---|
| **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** | **Foot traffic:** 24 h • **Light traffic:** 48 h • **Full cure**: 7 days |
| **FeRFA Floor Guide** | Type 5 |
| **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. |
| **Temperature Resistance** | Up to 60 °C |
| **Compressive Strength** EN 13892-2 | >50 N/mm² |
| **Flexural Strength** EN 13892-2 | >20 N/mm² |
| **Impact Resistance** EN 1504-2 | Class II |
| **Fire Classification** EN 13501-1 | $B_{fl}$-s1 |
| **Adhesion Strength** EN 13892-8 | >2.5 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 | Version 1.0 (July 2025)
All rights reserved © 2025