



PRITHVI EPOX-SL 1000

Category: Self-Levelling Epoxy Topcoat (1–2 mm Thickness)

1. PRODUCT DESCRIPTION

PRITHVI EPOX-SL 1000 is a four-component, self-leveling epoxy floor topping system consisting of resin, hardener, filler, and pigment. It creates a dense, impervious, seamless, and chemically resistant surface with a smooth and light-reflective finish. The product is supplied as pre-weighed packs for on site mixing and is available in a variety of colours. It is ideal for industrial and commercial flooring requiring durability and hygiene.

2. RECOMMENDED USES / APPLICATIONS

- Long-lasting flooring solution for industrial and commercial environments requiring durability and hygiene
- Clean rooms, laboratories, and kitchens requiring dense, hygienic surfaces
- Plant rooms and light industrial plants

3. KEY FEATURES & BENEFITS

- Fast application reduces downtime
- Excellent chemical resistance to various industrial chemicals
- High durability with good abrasion resistance; hygienic, dense, and seamless surface that is easy to clean
- Attractive, light-reflective finish available in multiple colours

4. PHYSICAL & CHEMICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD / STANDARD
Appearance	Four-component, self-leveling liquid system (Resin, Hardener, Filler & Pigment)	Visual
Colour	Available in a variety of colours	Visual
Specific Gravity / Density (kg/L)	1.4 kg/litre (mixed density)	—
Recommended DFT (µm)	1,000 – 2,000 µm (1–2 mm)	Manufacturer
Recommended WFT (µm)	Same as DFT (self-leveling system)	Calculated
Gloss Level	Smooth, light-reflective finish	—
Shelf Life	store in original packaging at 5–30°C	—
Compressive Strength (7 days)	> 65 N/mm ²	ASTM C 579
Flexural Strength (7 days)	> 23 N/mm ²	BS 6319 Part 3



PROPERTY	TYPICAL VALUE	TEST METHOD / STANDARD
Tensile Strength (7 days)	> 12 N/mm ²	BS 6319-7
Tensile Modulus	> 575 N/mm ²	BS 6319-7
Abrasion Resistance	< 0.083 mg/cycle-loss (CS17 wheel, 1000 g load)	ASTM D 4060
Shore D Hardness (7 days)	> 70	ASTM D2240
Pull-off Adhesion Strength	> 1.5 N/mm ²	ASTM 4541

5. COMPOSITION / CHEMICAL BASE

Four-component epoxy resin floor topping system comprising resin, hardener, filler, and pigment.

6. APPLICATION DETAILS

Mixing Ratio (Base : Hardener)	Supplied as pre-weighed packs (Resin : Hardener : Filler : Pigment)
Pot Life	30 minutes @ 27°C
Induction Time	Not required
Application Method	Pour and spread with a serrated trowel; consolidate with a spiked roller
Thinner / Reducer	Do not thin — use as supplied
Cleaning Solvent	Solvent (as recommended by manufacturer)
Number of Coats	1 coat (apply a second coat on porous substrates if the first is deeply absorbed)
Drying Time – Hard Dry	Foot traffic: 24 hours; Light vehicular traffic: 48 hours
Full Cure	see cure time to traffic above)
Application Conditions	Apply and store at 5–30°C; substrate must be at least 28 days old with moisture content below 5%

7. SURFACE PREPARATION

- Substrate must be clean, dry, sound, and free from oil, grease, and dust; new concrete at least 28 days old with moisture content below 5%
- Remove laitance by light grit blasting, mechanical scrubbing, or grinding; existing floors must be mechanically cleaned or blasted for good adhesion
- Prime with epoxy resin primer immediately after mixing; allow to dry per ambient temperature (20°C: 8–12h; 30°C: 6–8h; 40°C: 4–6h) before topping



8. PACKAGING

Available Pack Sizes	Supplied as pre-weighed packs
Kit Components	Resin, Hardener, Filler, and Pigment supplied together as pre-weighed packs for on-site mixing

9. STORAGE & SHELF LIFE

Store products in original packaging at 5–30°C, away from heat and flame.

10. HEALTH, SAFETY & HANDLING

Avoid skin and eye contact; wear gloves, protective clothing, and eye protection. Ensure good ventilation to avoid inhaling vapors. In case of skin contact, wash with soap and water (do not use solvents); in case of eye contact, rinse with water and seek medical attention. If swallowed, seek immediate medical attention and do not induce vomiting. Cleaning thinner/solvent are flammable keep away from ignition sources. Refer to the Safety Data Sheet (SDS) for complete health, safety, handling and disposal information prior to use.

11. QUALITY & COMPLIANCE

- Manufactured under controlled quality processes (certification details to be confirmed)
- Regulatory compliance information available on request

DISCLAIMER

The information contained in this Technical Data Sheet is provided in good faith and is based on Prithvi Coatings' current knowledge and testing believed to be reliable. It is intended as a general guide only and does not constitute a warranty of performance, as actual results may vary depending on application conditions, substrate, and equipment beyond our control. Users should conduct their own trials to confirm suitability for their specific purpose prior to full-scale use. Prithvi Coatings reserves the right to amend this data without prior notice as products are continually reviewed and improved. Please ensure you are referring to the most current version of this document.