

PROXON ESL

PROXON ESL is a high-performance, solvent-less, self-leveling epoxy floor topcoat for industrial and commercial use, providing a smooth, durable finish with multiple performance benefits.



What

PROXON ESL is a self-leveling, high-performance, solvent-less epoxy floor topcoat designed for industrial and commercial spaces. It delivers a smooth, seamless finish with excellent durability, chemical resistance & long-term performance benefits.

Why?

- Chemical resistance excellent
- Abrasion resistance strong
- Solvent-free formulation
- High mechanical strength
- Fast, easy application
- Durable, seamless finish

Usage

PROXON ESL is recommended for interior concrete floors in pharmaceuticals, food processing, labs, showrooms, and manufacturing units. Ideal for sun-protected areas; not suitable for exterior use. Used as a self-leveling floor topping.

How to use?

- Clean, dry substrate
- Remove all contaminants
- Apply primer evenly
- Mix components thoroughly
- Use spiked roller
- Avoid air bubbles

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Application

Surface Preparation: Ensure the substrate is dry, hard, and free of dust, paint, lime, plaster, curing agents, wax, polish, laitance, grease, and oil. Use a degreaser to remove contaminants completely.

Priming: Apply PROXON EPS PRIMER to seal pores and prevent air bubbles. This also helps maintain flow and ensures strong adhesion of the topcoat to the substrate.

Mixing: Add components in the specified sequence under continuous mixing using a slow-speed electric stirrer or jetty blade mixer. Do not mix by hand. Scrape container sides frequently for full blending. Avoid air bubbles during mixing.

Application: Pre-calculate mix quantity based on area and thickness required. Apply mixed PROXON ESL promptly using a serrated trowel, then immediately roll with a spiked roller to ensure an even, void-free surface. Avoid overworking to minimize

bubbling. If bubbles form, use a porcupine roller. Do not add thinners; the product is solvent-less and ready to use as is.

Coverage

Coverage / kit – For 1 mm thick – 12 sq.mtr.

Packing

14 Kg pack.

(4 kg Resin + 2 kg Hardener + 8 kg Filler).

Storage

Store in a cool, dry, shaded place. Protect from sunlight, humidity & extreme temperatures. 12 months from the date of manufacturing

Health & Safety

Contains no hazardous substances but requires caution. Wear gloves, goggles, and protective clothing. Store properly. Rinse splashes with water. If swallowed, seek medical help; do not induce vomiting.

Physical Properties

Finish	Glass / Matte
Type	Epoxy / Amine
Mixing ratio(R:H)	A: B:C:D (Pre - Weighed Kit)
Percentage of solids	95 - 97 %
Flash point	Non – flammable
Pot life	30 - 35 minutes
Surface dry	8 hours

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Tack free dry	24 hours
Hard dry	7 days
Compressive strength at 30° C - 14 days	50 - 65 N/mm ² As per ASTM C 579
Tensile strength at 30° C - 14days	15 N/mm ² As per ASTM D 882
Pull of adhesion As per ASTM D 4541	Passes up to 2.21 mPa
Flexural strength	25 - 30 N/mm ²
Application method	Trowel & spick roller
Clean up	Thinner / solvent

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