

EvoShine TopCoat ET21

Self-levelling Epoxy Compound

DESCRIPTION

EvoShine TopCoat ET21 is Self-leveling high performance, Hi-gloss solvent –less epoxy floor top coat for use in industrial and commercial environments. It produces a smooth, self-leveling finish with several advantages.

APPLICATION AREA

WHERE TO USE:

Recommended for chemical, Pharmaceutical, Clean room, food processing area, laboratories, demonstration & training rooms, electrical & electronics assembly plants, packing & storage area, automobile showroom, light & heavy vehicle manufacturing units for interior floors protected from the sun and other interior concrete surfaces. Not for use on exterior surfaces.

Topcoat ET21 is used as self levelled floor toppings.

PROPERTIES

- Good chemical resistance
- Good abrasion resistance
- Free of solvents
- High mechanical strength
- Easy & Fast application
- Durability & Seamless
- Aesthetic: Available in several colors provides as hygienic surface

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The substrate must be dry, hard, sound, free of dust and the barrier materials such as paint, lime coatings, plaster, curing agents, wax, polish, laitance, etc. Use a suitable degreaser to remove polish, wax, grease, oil and similar contaminating substances.

PRIMING

EvoShine Primer EP11 primer seal the pores and prevent air bubbles from rising through the applied mortar. The primer also helps to maintain flow life and promote excellent adhesion to the substrate.

MIXING

Add the parts in sequence below, under continuous stirring by a very slow speed electric stirrer or jetty blade mixer fitted on an electric drill till the mixture is homogenous. **DO NOT MIX BY HAND.** Remove all material from each can. Scrap the sides of the container several times to ensure complete mixing. Be careful to not introduce any air bubbles while mixing.

APPLICATION

Since the mix ratio is critical to the performance of the flooring system. Quantity to be mixed should be calculated beforehand based on the area to be covered and coating thickness desired. Actual coverage will depend on texture, porosity, slope of the substrate.

Pour the mixed **EvoShine Topcoat ET21** onto the surface as soon as possible (see pot life) and spread using a serrated trowel. Immediately after the trowel application, a spiked roller should be used to ensure a level homogenous surface free of voids and surface imperfections.

Do not overwork the material. Apply slowly to minimize bubbling. If bubbles appear, use a porcupine roller to produce a bubble free film. **Topcoat ET21** is designed for use without solvents, use of thinners is not recommended.

TECHNICAL DATA	
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
Tack free dry	24 hours
Hard dry	7 days
Coverage/Kit - For1 MM Thick	12 Sq.Mtr.
Packaging Top Coat Kit	Resin - 4 Kgs Hardener - 2 kgs Filler - 8 kgs
Compressive strength at 30 °C, N/MM2, 14 days (As per ASTM C 579)	50 - 65 N/mm ²
Tensile strength at 30°C N/MM2, 14 days (As per ASTM D882)	15 N/mm ²
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
Shelf life	12 months.

HEALTH & SAFETY

For further information, please consult the Material Safety Data Sheet (MSDS).

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

DISCLAIMER

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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