



SOLPOXY SLF 20

Epoxy Resin Based Self-Leveling Floor Topping

DESCRIPTION

SOLPOXY SLF 20 is a three component, solvent free, epoxy resin based self-leveling floor topping which provides a seamless, tough, chemical resistant and hygienic floor surface. It can be applied in the thickness of 1mm to 4mm, giving a glossy floor finish.

TYPICAL USES

Used to provide a heavy duty floor screed for:

- laboratories
- Plant room for pharmaceutical and health care product manufacturing units
- operation theatres
- Food & beverage manufacturing industries
- light industrial plants

ADVANTAGES

- Self-leveling
- Good resistance to a wide range of chemicals.
- Seamless floor, which helps in keeping the microbial count low
- Provides a hygienic floor which can be cleaned easily
- Provides a good abrasion resistance and dense, impervious flooring
- 100% reactive system totally free of solvent

PACKAGING

SOLPOXY SLF 20 is packed in 15 Litres Kit.

TECHNICAL PROPERTIES

Density (g/cc)	1.75±0.05
Finish	Glossy
Compressive strength @ 7 days	>70 N/mm ²
Flexural strength, @7 days,	>30 N/mm ²
POT Life	60
initial Cure	24 hours
Final Cure	7 days
Abrasion resistance, [mg] ASTM D-4060-95	< 50
Application Temperature	5 to 35 ° C

The properties shown above were obtained under laboratory conditions and may vary in practice.

COVERAGE

SOLPOXY SLF 20 will give an approximately 1lit/m²/mm thickness

APPLICATION INSTRUCTION

SURFACE PREPARATION

Clean the surface of all dust, dirt, oil & grease, cement laitance and all loosely adhering particles. New concrete surface shall be at least 28 days old and the surface moisture content less than 5%. Captive/grit blasting and grinding is recommended for the most effective surface preparation. Surface irregularities and blow holes shall be repaired with SOLPOXY BF (Epoxy

resin based blow hole filler and skimming mortar) or SPADREP range* (cementitious repair mortar). Alternatively an epoxy resin based scratch coat can be used when repairing larger areas (> 0.5m²). The surface after carrying out the necessary cleaning shall be vacuumed for removing the dust debris left over after the cleaning process.

PRIMING

The surface shall be primed with SOLPRIME EP @ 4-5 m²/l. For highly porous substrates, a 2nd coat may be required. The coating is applied when the primer is dry. However, in all circumstances, the coating shall be applied within 24 hours of application of the primer. If the primer surface is left open for more than 24 hours, then a fresh coat of primer has to be re-applied.

MIXING

SOLPOXY SLF 20 is supplied in three pre-weighed packs (Resin, hardener and fillers). The components are just to be mixed at site and used. However, part mixing is strictly prohibited. Take a suitable container and pour the resin (A) into it. Add the hardener (B) into the resin and mix thoroughly with a paddle mixer. Use of a slow speed drill is recommended to reduce the formation of air bubbles. Then slowly add the filler (C) into the container and mix thoroughly for a few minutes.

APPLICATION

Ensure sufficient labor and material is available at site to ensure a smooth continuity of the application of the flooring. Apply the SOLPOXY SLF 20 topping, by pouring on to the primed surface and spread with a steel notched trowel to achieve a 1mm to 4mm seamless topping. Once the material is evenly spread,

continuous spiking with a spiked roller is to be done to remove all entrapped air. Spiking adjacent layers is recommended to be done at 50% overlaps.

CAUTION

- Do not use below 5°C
- over troweling is to be avoided
- SOLPOXY SLF 20 should not be applied to surfaces which has rising dampness and there is a phenomenon of reverse osmosis. In addition to that, application is always recommended to be carried out when the atmospheric temperature is low.

CLEANING

Clean all the tools with any solvent immediately after application.

STORAGE

Store all material in a cool, covered dry place. Do not expose the pails to direct sunlight and keep away from all sources of heat.

The shelf life of the product is 12 months in unopened condition if stored as per the recommendations. Exposure to high temperature and humidity will result in considerable deterioration of the product and reduce its shelf life.

HEALTH & SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.



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