

FLOPOXY-SL-PLUS

SELF LEVELLING EPOXY FLORING



DESCRIPTION:

Floropoxy-SL-Plus is a self-leveling, heavy duty, epoxy based flooring compound. It provides high abrasion, chemical and impact resistance, with a smooth and glossy finish to the concrete flooring. It is waterproof, dust proof and resistant to many chemicals. It provides a buildup of upto 4mm thickness on concrete floors.

ADVANTAGES:

- ✓ It provides excellent resistance to dirt, dust and other environmental pollutants, providing extremely hygienic conditions.
- ✓ It has excellent flexibility, abrasion and impact resistance.
- ✓ Excellent resistance to oil, petrol and a variety of chemicals and solvents.
- ✓ It provides smooth seamless flooring, covering minor defects of the concrete, in one operation.
- ✓ Easy to use and excellent appearance.
- ✓ Can also be used in homes, offices, or where tiling is not required.
- ✓ Available in various shades

AREA OF APPLICATION:

Floropoxy-SL-Plus can be used where there is high abrasion resistance, chemical resistance, dust free and hygienic conditions required. It is usually recommended for use in garages, showrooms, exhibition halls, operation theatres, hospitals, food and pharmaceutical industries, factories, engineering units, fertilizer plants, warehouses, workshops, sports centres, aircraft hangars etc.

SPECIFICATIONS:

Colour	Available in various shades
Finish	Smooth & Glossy
System	Two component (Resin: Hardener, 88:12 by weight)
Drying time	
Surface Dry	2-3 Hours
Hard Dry	6-8 Hours
Full cure	7 days
Pot Life @ 30°C	2-3 Hours
Application	By notch trowel
Scratch Hardness	Excellent
Heat Resistance	120°C- 140°C
Cold Resistance	Sub Zero Temp
Coverage	8-10 sq.ft./kg/mm
Flash Point	Above 30°C
Bond Strength	3.2 N/mm ²
Flexure Strength	22.3 N/mm ²
Tensile Strength	18 N/mm ²
Compressive Strength	90 N/mm ²
Modulus of Elasticity	40 x 10 ⁻³ N/mm ²
Co-efficient of linear thermal expansion	46.5 x 10 ⁻⁶
Water Absorption	0.04
Shear Strength	4.3 N/mm ²
Sulphuric Acid 30%, Nitric Acid 2%, Phosphoric Acid 10%, Hydrochloric Acid , Toluene and Xylene ,Petrol, Sodium Hydroxide 50%, oil and greases	Passes under BIS 9162-1979, No Blistering/Delamination

PREPARATION:

All new concrete floors should be cured of minimum 28 days prior to coating. Old and existing surfaces should be clean firm and dry. Any pot holes, hollow or crumbly areas to be repaired with Ready **Repair Mortar** laid to level of floor. All laitance, curing membranes, coatings, previous treatments to be removed completely. Very oily surfaces may require a chemical clean-up with **Sparklean**, and mild detergents and thereafter rinse thoroughly with clean water. For very oily or very old surfaces after necessary cleanup operation, apply one to two coats of **EPOXYBOND-600**.

METHOD OF APPLICATION:

Once the surface is prepared and dried for 24 hours as above one to two coats of **EPOXYBOND-600** to be liberally brushed on to the surface at an interval of 2 hours between each coat. Thereafter allow to cure for 2-3 hours thereafter. Mix the Resin & hardener of **FLOROPOXY-SL-PLUS** thoroughly. After ascertaining the thickness required, suitable panels should be made (for larger areas) and the mixed material to be poured into each panel, spread out the material with a trowel or a flat blade, after which use a spiked special roller to remove entrapped air. In colder temperatures spiking may be required twice, the second after 20 to 25 minutes. For large areas spreading + spiking can be done by wearing spiked shoes (do not wear flat shoes). Always finish edges when wet before initial cure. Now allow to cure.

CLEANING OF TOOLS:

Clean hands tools etc. with **EPOXYTHIN** only. The use of gloves and barrier cream is also recommended.

SAFETY PRECAUTIONS:

Keep away from naked flames/lights. Do not smoke near application area. Protective gear such as gloves and goggles should be worn when handling the product. Treat any splashes to the skin or eyes with fresh water immediately. Should the product be accidentally swallowed, do not encourage vomiting, but call for immediate medical assistance. Ensure that the container is available for medical attendant to examine any relevant instructions and content details.

PACKING:

Available in 5 & 25 Kgs.

WARRANTY CLAUSE: The product incorporated and sold is without Warranty expressed or implied, including warranty of Merchantability and fitness for use of this material and upon condition that purchaser shall make the own test to determine the suitability and quality of such products for their particular purpose. The user assumes all risks of use and handling, whether or not in accordance with any statement of the supplier. Supplier's liability if any, for any action arising out of the material being supplied shall be limited to only replacement of material.