ISO 9001: 2015
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Epoflo SL 828

Solvent Free, High Gloss, Self-Levelling Epoxy Flooring

Description

Epoflo SL828 is a two components high performance Epoxy self-Leveling floor coating, typically applied at 1-3mm thickness. This flooring provides a hygienic, dust free floor with excellent mechanical and chemical resistance. The finished floor is high glossy, seamless, and completely impermeable.

Uses

Epoflo SL 828 is widely used on industrial and commercial floors in laboratories, food & beverage, chemical processing, pharmaceutical, schools, plant rooms, factories, engineering workshops, hospital clean rooms and many more applications.

Features and Benefits

- **Good self leveling properties.**
- **Good impact and abrasion resistance.**
- **Solvent Free, Non flammable.**
- **Low odor, low VOC.**
- **Good adhesion to various substrates.**
- **Good chemical resistance.**
- **Easy to clean and maintainant.**

Technical Data

Appearance	Colored viscous liquid
Color	Please refer the color chart or actual sample
Flammability	Non flammable
Pot life @ 25°C	40 minutes
Coverage	Approx. 1.5 kg/m^2/1mm thickness.
Shelf Life	12 months in unopened containers.
Packing	20 kg set

Physical properties

Shore D hardness	≥ 70
Compressive Strength	≥ 60 Mpa
Abrasion resistance/wear index	71
Adhesion Bond Strength	Stronger than integral strength of the concrete
Dust dry time @ 25°C	≤ 6 hours
Impact resistance	35 kgf.cm
Water absorption	0.06%

APPLICATION INSTRUCTION

Surface Preparation

Sub-floor preparation is highly important with products of this nature. The sub-floor should be free of oil, grease, laitance and other contaminants which may affect adhesion. It is recommended that the floor is mechanically prepared (i.e. Shot-blasting, grinding, scrabbling) to provide a clean sound base for installation of the **Epoflo SL828**. New concrete must be allowed to cure for at least 28 days and the floor should have a maximum slope of 5%. Sound sub floor construction is essential.

Priming

All sub floors must be primed and sealed with **Epokote 617 or 618** Solvent Free Epoxy Primer prior to the application of **Epoflo SL828**.
The primer is applied by roller or brush ensuring a continuous film over the whole floor.

Mixing

Epoflo SL828 is supplied as a two component system comprising resin, curing agent. Best results will be obtained by using a mechanical mixer, either a paddle fixed to an electric drill, or a forced action mixer. Add the curing agent B to

the pigmented epoxy resin A and mix thoroughly until a smooth uniform colour is obtained.

Application

Pour the mixed product onto the sub floor and spread to the required thickness using a notched trowel to cover the area uniformly. Within a few minutes of trowel ling, a nylon spiked roller should be run across the laid **Epoflo SL 828** to remove and trapped air. It may be necessary to run the roller across the screed after another 10 minutes to remove any new bubbles. Take care not to roller areas of the **Epoflo SL828** which have already started to cure sufficiently to retain the imprint of the spikes.

Expansion Joints

All existing joints in the substrate should be followed through into the **Epoflo SL828**.

Curing Time and Working Time

Once mixed, the product has approximately 30 – 40 minutes working time. Allow the **Epoflo SL828** to cure for at least 2-3 days before allowing full traffic, and the floor should be left for 7 days before full chemical resistance is achieved.

Health and Safety

Health and safety data sheet is available on request. It is recommended that rubber gloves are worn during product application.

Cleaning of Tools

Use IFS Solvent or any strong solvent to clean tools and equipment.

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