



EPFLOOR NF40(SL)

Self levelling screed

Description

EPFLOOR NF40 (SL) is a three part solvent-free combination of epoxy resin, modified amine hardeners filled with specially graded and selected high crushing strength, chemically inert aggregates. It is laid by trowel as durable chemical resistant screed at approximately 1 to 2 mm thickness. This nominal thickness provides an impervious topping which is highly chemical resistant by the very careful choice of amine curing agent and graded aggregate.

Uses

- Floor topping with exceptional resistance to the surface mechanical wear and attack from chemical spillage
- To get a safe non-slip finish for personnel and vehicular traffic
- For heavy engineering plants, chemical handling and process areas, steelworks, dairies, oil refineries, paint workshops, battery rooms, plating factories, sugar and food industries
- Widely used for areas of lighter duty where above average durability and low maintenance costs are required

Advantages

- Resistance to abrasion and to a wide range of chemicals
- Good gripping surface to both vehicular and pedestrian traffic
- Designed for easy lying to a fair finish
- Close textured surface
- No need for over coating
- Successful use proven in a wide performance variety of aggressive locations

Compliance Standard

- IS 9162-1979, ISO 4624

Technical Information

PROPERTIES	RESULTS
Appearance	White liquid
Pot life	30 min
Initial hardness	16 hours
Compressive strength	75N/mm ²
Flexural strength	26N/mm ²
Tensile strength	12N/mm ²
Bond strength	3.0N/mm ²
Abrasion resistance	3 mg/ cycle
Hydrochloride Acid 10%	Excellent
Sulphuric acid 10%	Excellent
Nitric acid 10%	Excellent
Lactic acid 10%	Excellent
Citric acid 10%	Excellent

Method of application

- It is essential that EPFLOOR NF40 (SL) is applied to sound, clean and dry surfaces in order that maximum bond strength is achieved between the substrate and the flooring system
- **New concrete:** Laitance deposits on new concrete floors are best removed by light grit blasting, mechanical scrubbing or grinding
- **Old concrete:** Again mechanical cleaning methods are strongly recommended on old concrete floors particularly where heavy contaminations by oil and grease has occurred or existing coatings are present.
- **Steel Surfaces:** Should be degreased and sand blasted immediately prior to application.
- Add the aggregate slowly to the mixed resin and hardener, continue mechanical mixing for a further 2-3 minutes, until all the components are thoroughly blended.
- The mixed EPFLOOR NF40 (SL) should be spread to uniform thickness on the primed surface using a steel trowel.
- The material should be tamped with a wooden float to ensure complete compaction and finally finished to a closed even texture using a steel trowel.

Coverage

- 100ft²/15 kg @1mm thickness

Packaging

- EPFLOOR NF40 (SL) is supplied in 15 Kg pack.

Shelf life:

- EPFLOOR NF40 (SL) have a shelf life of 12 months when stored in a dry place below 35°C

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