

TRI- FLOOR SL

Self-leveling Epoxy Flooring

Description

Tri-Floor SL is a three components solvent-free self leveling epoxy mortar based on a combination of specially selected fillers and high strength epoxy resins, that when mixed Provides 2-4 mm. Epoxy resin floor topping with a unique laying properties.

Tri-Floor SL is supplied in per-weighed packs, part (A), part (B) and Aggregate (c) that are ready to mix and to apply

Product certified by (National Research Centre)

ASTM (D4060/ C882/C267) C1338



Uses

Tri -Floor SL used in areas subject to pedestrian and wheeled traffic, such as :-

- Laboratories.
- Food, Chemical and pharmaceutical industries.
- Kitchens.
- Schools.
- Electric Plants.
- Hospitals.
- Show rooms.
- Offices.
- Canteens.
- Production areas Shops & Supermarkets Garages.
- Warehouses & Stores.
- And any area where a hard wearing, hygienic, dust free and chemical Resistance is required.

Advantages

- Easy to mix and to apply.
- Solvent-free
- Odorless epoxy.
- Excellent adhesion to concrete.
- High chemical resistance Eliminates bacterial growth.
- Durable, dense.
- Impervious, seamless floor Suitable for the Middle East conditions.
- Smooth surface.
- Easy to clean.

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Factory & Head Office:

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Chemical Resistance

Chemical Resistance			
Hydro chloride	10 %	30 %	No effect
Sulfuric acid	10 %	30 %	No effect
Acetic acid	10 %		No effect
Sodium hydroxide	50 %		No effect
Potassium hydroxide	50 %		No effect
Sodium chloride	50 %		No effect

Technical Data @°25c

DISCRETIONS	VALUE
Color	Grey (other required colors)
Solid Content (by weight)	100%
Density	1.850± 0.10 kg/L
Mixing ratio, A: B: C by weight	2A: 1B: 3C-- ((1 epoxy A+B): 1 C -filler)
Pot life	30 -45 min. (decreases at higher temperatures)
Initial setting time	8 hours
Final setting time	24 hours
Full hardness	7 days
Min. Application temperature	10° C
Rate of use (theoretical)	3 -4 kg /m ² / 2 mm (depending on surface conditions)
Adhesion strength to concrete ASTM C882	2.18 N/mm ² (concrete failure)
Adhesion strength to steel ASTM C882	3.18 N/mm ²
Abrasion resistance	0.11 mm loss in thickness
Compressive strength (ASTM -579)	60.51 N/mm ² after 7 days
Flexural strength (ASTM -C 293)	25.71 N/mm ² after 7 days
Tensile strength (ASTM D-638)	16.14 N/mm ² after 7 days

Derictions for use

Surfaces Preparation

All surfaces must be clean, dry and free from oil, grease and loosely adhering particles. Cement laitance should be removed mechanically.

Priming

The prepared surface should be primed with **Tri-Prime** (see separate data sheet). Mix two components of the primer and then apply with roller or stiff brush. If the substrate is too porous, two coats of the primer are recommended. Entrapped air.



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Mixing

Tri-Floor SL is supplied in part A + Part B + Part C. Mix part A and Part B Pack in the mixing container using a slow speed electric drill. Add part C slowly while mixing. Mix for 5 minutes until homogeneous consistency is achieved.

Application

Pour the mixed materials onto the prepared and primed substrate. Spread the Required thickness using a toothed trowel or comb.

After laying the materials use a spiked roller to distribute evenly and remove

Cleaning

Clean all tools and equipment immediately after use with **Tri- sol 30**.

Package

Epoxy : Filler (1 : 1.15) 14 Kg pack.

Shelf Life

1 years in original packing

Storage

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

Health and Safety

- Epoxy Resins contain irritants, especially to the skin, eyes.
- Persons handling these materials should use appropriate protective clothing, Including rubber or plastic gloves.
- If the epoxy resin should contact the skin, it should be removed immediately With a dry cloth or paper towel, and the areas of contact washed thoroughly With soap and water.



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