

TRI- FLOOR SF

Epoxy Resin solvent free Floor and wall Coating

Description

Tri -Floor SF is a two component, solvent free, slightly thixotropic protective floor and wall coating which is based on epoxy resin and specially selected curing agents, designs for continuous protection against chemical attack. It is available in standard colours. Special colours can be produced on request.

Product certified by (National Research Centre)

ASTM (D4060/ C882/C267)



Uses

Tri -Floor SF could be used as a slip-resistance, abrasion resistance, chemical resistance, & floor coating in areas such as :-

- Tanks and silos.
- Food and Soft drinks Factories.
- Warehouses.
- Laundries.
- Care production areas.
- Dairies & dye works.
- Garages.
- Production areas.
- Chemical and pharmaceutical industries.

Advantages

- Smooth and high build floor coating.
- Solvent free and odourless.
- Excellent adhesion to most substrates.
- Wear & abrasion resistance.
- High mechanical strengths.
- Can be done as Slip resistance.
- Highly Durable.
- High chemical resistance to most common reagents.
- Suitable for the Middle East conditions.

Chemicals 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

Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14
 Tel.: (002) 011 195 48267 - Sales: (002) 010 007 88817 - (002) 011 184 87597
 Technical Support Call : (002) 011 184 87880 - Email: sales@trichem-eg.com

TRI- FLOOR SF

Epoxy Resin solvent free Floor and wall Coating

Technical Data @°25c

DISCRETIONS	VALUE
Color	White, Grey (other required colors)
Solid Content (by weight)	100 %
Density	1.60± 0.05 kg/l
Mixing ratio, A: B by weight	4: 1
Pot life	30 -45 min. (decreases at higher temperatures)
Initial setting time	8 hours
Final setting time	24 hours
Full hardness	7 days
Re-coating time	20 – 24 hours (depending on weather and DFT conditions)
Min. Application temperature	10° C
Rate of use (theoretical)	3-4 m ² / kg- 200 μ /2Coat (depending on surface conditions)
Compressive strength	54.95 N / mm ² after 7 days
Flexural strength	23.39 N / mm ² after 7 days
tensile strength	15.18 N / mm ² after 7 days
Adhesion strength To concrete ASTM C882	1.198 N/MM ² (concrete failure)
Adhesion strength To Steel ASTM C882	2.44 N/MM ²

Derictions for use

Surfaces Preparation

All surfaces should be sound, dry, free from oil, grease and loosely adhering particles. Steel surfaces should be free from scale and rust. the concrete age should be 28 days at least.

Priming

All surfaces should be primed with Tri-Prime (see separate data sheet).

The primer should be allowed to achieve a tack-free condition before applying **Tri-Floor SF**.

Application

Apply the mixed material to the prepared & primed surface using stiff brush, roller or spray (airless with pressure ratio 1:40).

Cleaning

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

Package

Tri-Flooe SF :- 5 Kg or 15 Kg pack



Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14
Tel.: (002) 011 195 48267 - Sales: (002) 010 007 88817 - (002) 011 184 87597
Technical Support Call : (002) 011 184 87880 - Email: sales@tichem-eg.com

TRI- FLOOR SF

Epoxy Resin solvent free Floor and wall Coating

Shelf Life

The shelf life of the product is 24 month 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.

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.



Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14
Tel.: (002) 011 195 48267 - Sales: (002) 010 007 88817 - (002) 011 184 87597
Technical Support Call : (002) 011 184 87880 - Email: sales@tichem-eg.com