

TRI- FLOOR SB

Solvent Base Epoxy Floor and wall Coating

Description

Tri -Floor SB is a two component, solvent base, protective floor and wall Coating based on epoxy resin, solvents, pigments and specially selected curing agent and designed for continuous protection against chemical attack and abrasion resistance it is available in standard colours. Special colours on request.

The product certified by (National Research Centre)

ASTM (D4060/ C267/C321) - DIN (5374)



Uses

Tri -Floor SB could be used to provide a hard wearing easily cleaned and attractive floor Coating in areas where abrasion resistance and chemical resistance is required such as :-

- Tanks and silos.
- Production assembly areas.
- Workshops.
- Kitchen and showrooms.
- Bottling plants.
- Dairies & dye works.
- Garages.
- Production areas.

Advantages

- Smooth and high build floor coating.
- Excellent adhesion to most substrates.
- Wear & abrasion resistance.
- High mechanical strengths.
- 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

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Factory & Head Office:

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www.trichem-eg.com

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Technical Data @°25c

DISCRETIONS	VALUE
Color	White, Grey (other required colors)
Solid Content (by weight)	76± 2 %
Solid Content (by volume)	60 ± 2 %
Density	1.40 ± 0.05 kg/l
Mixing ratio, A: B by weight	3 : 1
Pot life	3 hours. (Decreases at higher temperatures)
Initial setting time	2 hours
Final setting time	24 hours
Full hardness	7 days
Re-coating time	8 – 12 hours (depending on weather and DFT conditions)
Min. Application temperature	10° C
Rate of use (theoretical)	5-6 m ² / kg- 100 μ DFT/Coat (depending on surface conditions)
Abrasion resistance DIN 5374	85.9 mg loss in weight
Adhesion strength To concrete ASTM C321	1.37 n/mm ² (concrete failure)

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 SB**.

Application

Apply the mixed material to the prepared & primed surface using stiff brush, roller or spray .

Recommended thinner **Tri – Sol No 20**-flash point 25C°.

By brush & roller:

Volume of thinner: 1 - 8%

Air spray: Volume of thinner: 1 –12 %

Airless spray application: Volume of thinner 1-10 % according to DFT required

- Nozzle orifice approx. 0.55- 0.70 mm.
- Nozzle pressure 150 bar.
- Humidity: below 85 % RH.
- Temperature: temperature of the surfaces should be 5°C min: 35°C max



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Cleaning

Clean all tools and equipment immediately after use with **Tri- sol 20**.

Package

Tri-Floor SB 4 Kg or 16 Kg pack,

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.



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