

TRI- FLOOR 1010

High build Two Components Epoxy Solvent Free Floor & Wall Coating

Description

Tri-Floor 1010 is a two component, solvent free, slightly thyrotropic protective floor and wall coating which is based on epoxy resin.

The product certified by (National Research Centre)

ASTM (D4060/ D4541/C267)



Uses

Tri-Floor 1010 be used as abrasion resistance, chemical resistance, & floor coating in areas such as :

- Tanks , silos and power stations.
- Soft drinks Factories.
- Warehouses.
- Chemicals and pharmaceutical industries.
- Care production areas.
- Dairies & food industries.
- Garages.
- Production areas.

Advantages

- Smooth and high build floor coating.
- Solvent free and odorless.
- Excellent adhesion to most substrates.
- Wear & abrasion resistance.
- High mechanical strengths.
- Can be done as Slip resistance.
- Highly Durable.
- Good chemical resistance.

Chemicals Resistance

| | | | |
|---------------------|------|------|---|
| Hydro chloride | 10 % | 30 % | No effect |
| Sulfuric acid | 10 % | 30 % | No effect on 10 % - Color changed on 30 % |
| Acetic acid | 10 % | | No effect |
| Sodium hydroxide | 50 % | | No effect on 10 % - Color changed on 30 % |
| Potassium hydroxide | 50 % | | No effect |
| Sodium chloride | 50 % | | No effect |

Factory & Head Office:

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Technical Data @°25c

| DISCRETIONS | VALUE |
|--|---|
| Color | White, Grey (other required colors) |
| Solid Content (by weight) | 100 % |
| Density | 1.77± 0.1 kg/L |
| Mixing ratio, A: B by weight | 5.25: 1 |
| Pot life | 40 -50 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 |
| Compressive strength | 66.65 N / mm ² after 7 days |
| Flexural strength | 30.23 N / mm ² after 7 days |
| tensile strength | 16.96 N / mm ² after 7 days |
| Adhesion strength to concrete ASTM D4541 | 1.32 MPA concrete failure |
| Abrasion resistance ASTM D4060 | 73 mg loss in weight |
| Rate of use (theoretical) | 3-4 m ² / kg - 2 Layers at 200 microns D.F.T per layer |

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** range (see separate data sheet). The primer should be allowed to achieve a tack-free condition before applying

Tri-Floor 1010.

Mixing

Mix component A(Base) well then pour all the amount of the component B (Hardener) to it. Mix thoroughly by slow speed electric drill (300-500 rpm) until a smooth and even consistency is achieved.

Application

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

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dilution

Tri - Floor 1010 may be diluted by Tri- sol 20 (0- 10) max. Depending on the Application type and Tools used.

Cleaning

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

Package

Tri-Floor 1010 :- Group (A+B): 5Kg, 20 kg

Shelf Life

2 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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