

Technical Data Sheet

Trifloor TC250

HIGH BUILD EPOXY FLOOR TOP COATING

PRODUCT DESCRIPTION

Trifloor TC250 is based on carefully selected solvent less Epoxy resin composition. It is a three component system consisting of base, hardener and pigment. The coating provides a very smooth, attractive hygienic, hard wearing and chemical resistant floor topping.

PRODUCT FEATURES

Hygienic – It provides jointless flooring making it dust free and is easy to clean because of smooth surface.

Chemical Resistant – It has excellent chemical resistance to most chemicals.

Wear Resistant – It provides a tough floor topping to withstand vehicular traffic.

Aesthetics – It is available in various colour shades to provide attractive floor finish.

RECOMMENDED USE

TCfloor TC250 is recommended for use where extremely hygienic, abrasion, chemical resistant and dust free environment is required. It is ideally suited for following industries.

- Pharmaceutical Industries
- Electronic Assembly Areas
- Clean Rooms
- Food Processing Industries.
- Chemical manufacturing plants.
- Warehouse with high density traffic
- Automobile manufacturing unit
- Aircraft hangers and maintenance areas.



PRODUCT CHARACTERISTICS

Application	Short hair nap Roller or by brush
Cure Time	Initial Cure – 8-10 hrs.
Full Mech. Cure	48 hrs.
Full Chemical Cure	7 Days
Colours	Red, Grey, Green or other as required
Finish	Glossy
Pot Life	30 Min
Mixing Ratio	Base : Curing Agent : Pigment 7.650 : 1.5kg : 1kg
Coverage...	2-3 Sqmtr /kg –depending on surface at 200-300 micron thickness.
Ready for use	To walk – 24hrs
To light traffic.....	48 hrs
Adhesion to Concrete	cohesive failure in concrete
Flexural strength	40N /mm ²
Tensile strength	20N/mm ²

METHOD OF APPLICATION

FLOORING system should be installed by approved contractors. Following information should be used as a guideline.

SURFACE PREPARATION

The long term durability of the applied FLOOR SL topping is dependent upon the adhesive bond achieved between the flooring material and substrate. It is most important therefore, that substrate surface is correctly prepared prior to application.

1. New concrete or cementitious substrates should have been placed for at least 28days and have a moisture content of less than 5% before topping with TRIFLOOR SL.
2. Before application, the surface to be coated should be free from loose particles, rust, oils, grease or earlier coatings and should be thoroughly dry.
3. After surface is dry, all repair work like sealing of joints, cracks filling of cavities and crevices should be carried out.
4. The self levelling action is very localised and does not eradicate irregularities of level present in the original substrate. It is most important, therefore, that adequate

Technical Data Sheet

surface preparation and repair is undertaken prior to application of PDFLOOR SL flooring systems.

1. PRIMING

For use over a concrete surface, TRIFLOR PRIMER 25PA primer is recommended depending on substrate condition to ensure maximum product performance.

2. MIXING

Pack components are pre-weighed for optimum performance. Never split packs. Empty contents of Base into a mixing container and pre-mix to assure the suspension of solids. Add Curing Agent and continue to mix to a uniform consistency for 1-2 minutes. Add the quantity of aggregates supplied and mix for 1-2 minutes. Mix with slow speed drill and helical spinner head for 2 minutes. Avoid high speed mixing that will entrain air into the mix.

3. TOP COAT:

Spread the mixture on the floor immediately to the required thickness by means of rollers OR by brush. The floor should be rolled by a spike roller to remove trapped air. The floor shall self level to uniform colour and smoothness.

SPECIAL CONDITIONS

Colours

We shall always endeavor to supply the material in the colour shade ordered. However exact matching will not be possible. Batch to batch colour variation may occur. Ensure that materials for final application are always drawn from the same batch. Where colour matching is required over more than one order or delivery.

Technical department must be contacted prior to placing the order(s) and the requirement stated clearly on all orders relating to the project(s).

Substrate Requirements

- Must be of sufficient strength to support loads applied through the topping.
- Must be free from rising damp.
- All contamination must be removed to give a clean dry textured surface.

Packaging

TRIFLOR TC250 is supplied in pre-weighed packs for easy handling. Each pack consists of
7.650 kg. of Base
1.5 kg of Curing Agent
1kg. of Pigment

It can be supplied in Bulk packing also.

Storage and Shelf life

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is 12 months when stored as above.



Technical Support

Tri Polarcon provides technical advisory service supported by terms of specialist in the field



HANDLING AND SAFETY

Take normal precautions to avoid skin contact. Provide well ventilated conditions or use suitable respiratory protection. Wash thoroughly with a suitable resin removing cream –any areas where product comes into contact with skin followed by washing with soap and water. Splashes in the eyes should be well flushed out at least 10 minutes with water or a proprietary eye wash and medical attention sought. This product is flammable and should be kept away from sparks and naked flames – Smoking is strictly prohibited as product is flammable.

Mfg by:

TRI POLARCON PVT. LTD.

Mfg of epoxy floor coatings, Sealants, Waterproofing chemicals & Construction Chemicals.

Survey No. 38/1, Rajlaxmi Industrial Estate, Narhe, Pune-411041. Contact

No.9970633366/9822167282/9049800090.

www.tripolarcon.com/Email:tripolarcon@gmail.com

