

## TECHNICAL DATA SHEET

# Triflor SLUL

**Solvent-free, self-smoothing epoxy underlay.**

### Description

TRIFLOR SLUL is self smoothing, solvent free, epoxy underlay system designed to provide a flat and level surface to lay epoxy floor coating and toppings. TRIFLOR SLUL is designed for 1-2 mm thick application. The cured material produces a dense, coloured, matt surface, and exhibits excellent bond with the prepared substrate and with the topping.

### Uses

TRIFLOR SLUL provides an economical method of leveling floors prior to laying epoxy toppings or coatings such as TRIFLOOR series TRIFLOR SLUL is applied on uneven floor surface prior to application of chemical and wear resistant toppings. Application areas include:

- Loading/unloading bays
- Warehouses & store rooms
- Tool rooms, workshops and service stations
- Equipment stores and auxiliary areas
- Manufacturing & packing areas

### Advantages

- Provides a flat and level surface
- Seamless
- Quick & easy to lay
- Excellent bond with substrate and toppings

#### Typical Properties

Mixed density	:	1.85 kg/litre
Plot Life		30 Minutes at 25DegC
Setting time/ foot traffic		16 Hours at 25 DegC
Full Cure		7 Days
Compressive strength		40 MPa at 1 day 60 MPa at 7 days
Flexural strength		20 MPa
Tensile strength		16 MPa
Adhesive bond strength to concrete		:> 2 MPa (concrete failure)
Hardness, Shore D (ASTM)		>80



### Directions for use

The floor receiving TRIFLOR SLUL must be sound, dry, and fine-grained and load bearing, free of laitance, loose and brittle particles and substances which impair adhesion such as oil, grease, rubber skid marks, paint or other contaminants. The bond strength of the substrate must be at least 1.5 MPa. Ensure that the compressive strength of floor concrete is at least 25 MPa and that floor slabs directly in contact with the ground have a proper vapour barrier installed and the moisture content of substrate shall not be higher than 4% through out.

#### Temperature Requirements

- Substrate temperatures: 15°C – 35°C
- Material temperatures: 15°C – 30°C.

### Surface preparation:

Remove all oil, grease, etc. using a degreasing solution. Brush the floor with a hard broom or wire brush. Remove all dust and loose matter using a soft broom or industrial vacuum. If wetting of the floor has taken place during preparation it must be allowed to dry out before commencement of TRIFLOR SLUL.

### Priming

It is essential to seal the concrete surface prior to the Application of TRIFLOR UL. Apply PRIME 25 at 5 - 8m<sup>2</sup>/kg depending on the quality of substrate. Ideally using a stiff brush, forcing the primer into the pores by a rotary scrubbing movement. If after drying, the surface appears patchy due to high absorption, recoat the primer. Allow the primer to dry before commencing top coat application of TRIFLOR UL.

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### Mixing

All mixing should be done mechanically using a slow speed drilling machine fitted with a paddle, taking care to ensure that the mixing head is well within the material during mixing. Add colour paste completely in to the Base container and mix well. Pour the Hardener into the Base container and mix for a minute. Transfer the mixed resin system to a pail, and keeping the mixer running add the filler completely to obtain a homogeneously mixed TRIFLOR SLUL with a uniform colour. Keep the mixing time same for all batches to ensure a uniform colour when the product is applied.

### Placing

Applicators of TRIFLOOR SLUL must wear spiked shoes during application. Pour the mixed material onto the primed and sealed surface, and spread to the required thickness using a pin screed or a notched trowel. Immediately roll the spread material with a spiked roller to release entrapped air and remove trowel marks. Continue rolling until all air is released but well before the material starts to stiffen.

### Overcoating

Overcoating of the TRIFLOR SLUL with any other TRIFLOR floor system should not start until the TRIFLOR SLUL is at least 18 hours old, but not later than 48 hours.

### Packaging

TRIFLOR SLUL is supplied as a 16.5kg four component pack (including colour pack).

#### Components

Base -4.0 Kg

Hardener- 2.0 Kg

Aggregate -12 Kg

Colour pack- 0.5 Kg

### Coverage

A 16kg unit of TRILFOR SLUL yields approximately 9.0 litres of mixed material and shall cover 4-5 m<sup>2</sup> at 2mm thickness. Rough substrate profile can reduce the coverage considerably and need to be considered while estimating as per the site conditions. TRIFLOR SLUL system is supplied in preweighed packs which should not be split or divided. It is important to use complete packs.

### 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



## Mfg by:

## TRI POLARCON PVT. LTD.

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