

## **TRI- FLOOR SLC 200**

**Two component cementitious underlayment Self-Levelling.**

### **Description**

**Tri-Floor SLC 200** is a two component cementitious base self-levelling under layment contain special binders, siliceous graded aggregates ,mineral additives and admixtures. when mixed with water, it produces a highly flow-able, fast drying cementitious mortar for the filling ,levelling and smoothing of floors prior to the final finish also with vinyl, carpet, laminated floors or resinous coatings. Its very low shrinkage values which enables it to be used as a continuous self-levelling layer without any joints.



### **Typical uses**

**Tri-Floor SLC 200** used for smoothing and levelling concrete slabs and floors before Installing tiles or other floor systems not limited to the following:

- Vinyl, Carpet and laminated floors.
- Ceramic and natural stone.
- Terrazzo systems.
- A light traffic epoxy coated substrates .
- Under parquet

### **Advantages**

- Easy to apply.
- Producing Smooth surface.
- Low shrinkage reducing cracks existence.
- Highly Flow-able with maintained flow-ability during Application.
- Thickness from 2 to 10 mm.
- It has a defoamer, no longer air inside it.

### **Technical Data @25 c°**

Color	Grey
Toxicity	Non-toxic
Processing Conditions	8 -35°C & 30-80% RH
Liquid/Powder ratio	5 Kg Liquid / 20 Kg Powder
Workable time	20 - 35 min
Wet density	≈ 2.0 Kg/L
Adhesion to concrete substrate	> 1 N/mm <sup>2</sup>
Compressive strength - kg / cm <sup>2</sup>	> 200 @ 28 days

## Directions for use

### Surface preparation

To achieve the maximum bond strength between the substrate and **Tri-Floor SLC 200** all substrates should be clean, and free from oils, dust, loose particles, grease or any other foreigner matter. The substrate must be rough, porous and load bearing. Any water leaks must be stopped and repaired.

### Priming

The substrate must be primed using a suitable primer such as **Tri-Bond** to improve the adhesion. In extreme cases of absorbent sub-floors, a second coat of primer is to be applied after the drying of the first coat.

### Mixing

Add 5 kg of liquid to one **Tri-Floor SLC 200** 20 Kg bag.

For best results introduce half of the liquid then all the powder then the remaining Liquid quantity and continue mixing till homogeneity.

Mechanical mixing using a slow speed drill (300 - 600 rpm) is essential for a rapid and homogeneous mix.

### Application

Make sure that the primer is tacky.

Pour **Tri-Floor SLC 200** over the primed substrate & spread it using a suitable gauge rake to the desired thickness immediately after pouring.

Good raking is sufficient to push any entrapped air to the surface; however, a spiked roller can be used to speed up the air releasing procedure immediately after raking.

The whole process should be fast to avoid any roller markings on the surface.

Too much rolling & late rolling are the main reason for dotted matrix surface marks.

Make sure to work in sections that can be finished within 20-30 min.

**Tri-Floor SLC 200** must be protected for 24 hours against direct sun light, wind and high temperature.

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### Coverage

4-6 KG / M<sup>2</sup> for 2-3 mm thickness

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### Package

**Tri-Floor SLC 200** is available 20 Kg Powder + 5 Kg Liquid.

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### Shelf Life

12 months in normal temperature and closed shaded dry area in undamaged original packing.

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### Cleaning

Clean all equipments with water immediately after use. Hardened materials can be removed mechanically only.

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### Storage conditions

- Store the material in a cool, dry and covered place.
- Temperature should not exceed 35 °C.
- Do not expose the pails to direct sunlight and keep away from all sources of heat.

## Health and safety responsibility

- Workplace health and safety is all about sensibly managing risks to protect TRI-CHEM's workers and business.
- ISO 45001 is a systematic health and safety management is characterized by strong leadership involving managers, workers, suppliers, contractors and customers and also health and safety management is an essential part of the movement towards sustainable development.
- Spillages should be washed down immediately.
- PPE in accordance with the health and safety rules should be used during the materials application.
- For irritant effects of the non-cured material, avoid contact with skin and eyes during storage and application.

## Sustainability and environmental accountability

- TRI-CHEM's Environmental sustainability is the accountability to conserve natural resources and protect global ecosystems to support health and well-being for this a more positive approach is that accountability guides the actions of power-holders towards more socially and environmentally sustainable results.

## Technical support

- For any technical support, please contact TRI-CHEM technical office or representatives.

## Disclaimer

- While TRI-CHEM guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control.
- TRI-CHEM is recommended to verify with TRI-CHEM that the product is suitable for the intended use, and that this data sheet version is the latest one.
- TRI-CHEM may modify it without prior notice and technical characteristics are listed for guidance only.
- Any specification, recommendation or information mentioned in this product data sheet is (to TRI-CHEM's best knowledge) true and reliable.
- However, because TRI-CHEM has no influence on the application method of these products and the care taken, the company cannot accept any liability arising from the use of its products.

TRI-CHEM's warranty is therefore limited to the quality of the materials supplied which are guaranteed against defective materials.

## Institutional Excellence and quality performance

- Institutional excellence in TRI-CHEM refers to achieving high levels of performance, quality and effectiveness in all aspects of TRI-CHEM company's work, it involves a systematic and continuous effort to improve an organization's performance by applying best practices, innovative approaches and evidence-based strategies, institutional excellence spans various areas, such as training, research, innovation, community engagement, governance, management and sustainability, and involves setting high standards, measuring performance against these standards and continuously improving performance to meet or exceed these standards, excellence in

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TRI-CHEM also includes a culture of continuous improvement and learning, where everyone in the organization is committed to achieving the organization's goals, working together to find solutions to challenges and opportunities, and requires a collaborative approach that includes all stakeholders.

- All products originating from TRI-CHEM facility are manufactured under a quality management system independently certified to conform the requirements of the quality standards ( ISO 9001:2015).



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