

# ShaliFloor® SL UL 1C - R

Single Component Self Levelling Underlay



## Description

**ShaliFloor® SL UL 1C - R** is a single component Cementitious self-levelling underlay for smoothing uneven concrete floor in a durable way. **ShaliFloor® SL UL 1C - R** contains high quality special cements & selected fillers so that, when mixed with water, it produces a free-flowing mortar with self levelling properties. The mortar can be applied at a thickness from 3 - 5 mm & suitable for internal areas only.

## Uses

Levelling & smoothing uneven internal sub-floors such as concrete, cement sand screed, quarry tiles etc. prior to installation of carpets, ceramic tiles, vinyl or parquet flooring. Not suitable for exposed wearing surface.

## Characteristics

Colour	Grey Powder	Recommended thickness range, mm	3 - 5
Mix. Density, gm / cc	2.0 - 2.2	Flexural Strength, MPa, 28 days	8 - 10
Compressive Strength, MPa After 28 days	Min 22	Theoretical Coverage / mm, kg / m <sup>2</sup> *	1.7 - 1.8
Application time, min.	25 - 30	Ball impact hardness, after 1 day	6 mm
Setting Time, hrs.	2 - 3	W/P Ratio	0.20 - 0.22

\* Depending upon surface condition.

## Advantages

- Rapid installation for floor coverings.
- Excellent adhesion to base concrete.
- Pumpable, highly fluid for fast installation
- Chloride free constituents.
- Very low linear shrinkage.

## Application Methodology

### ➤ Surface Preparation

- Prepare the surface by mechanical grinding or other suitable method.
- Remove dust, flakes, oil, grease or other loose foreign particles by sand blasting, iron brush or compressed air. Remove old painting using surface grinder.
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- For best bond, concrete surface must be slightly textured.
- Allow it to dry before priming.

### ➤ Material Preparation

- In a clean mixing vessel, take 6 - 6.6 liters of clean water. Add 30 kgs **ShaliFloor® SL UL 1C-R** powder to the mixing vessel and mix steadily & thoroughly until a slump-free fluid consistency is obtained.

### ➤ Application of Material

- Prime concrete surface with **ShaliSBR Latex** and allow it to dry for 6 - 8 hrs. till it is touch dry.
- Pour the mixed. **ShaliFloor® SL UL 1C - R** on the primed substrate & using a steel finishing trowel or float spread the material well within its working time. Roll the surface using a spike roller to release all entrapped air.
- A 3 mm layer of coating is walkable after 5 hrs. & ready to receive floor coverings within 48 hrs. at 27 ± 1°C

## Health & Safety

- Use goggles and hand gloves during application
- Clean hands with water after application.

## Packing

Available in 30 kg packing.

## Storage

Keep in cool and dry place in air tight containers under shed away from heat.

## Shelf Life

12 months in original unopened sealed condition.



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### Product Range

- Waterproofing and Insulation
- Road Surfacing
- Sealants and Additives
- Pipeline Coating
- Protective / Anti-Corrosive Coating
- Epoxy Flooring
- Grouts / Admixtures
- RestoFix- Repair / Rehabilitation
- Other Construction Chemicals



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