

ShaliFloor® SL UL 1C (P)

Single Component Self Levelling Fast Drying Underlay



STP Limited

Description

ShaliFloor® SL UL 1C (P) is a single component premium grade cementitious self-levelling underlay for smoothing uneven concrete floor in a durable way. It is used in thicknesses from 1 to 10 mm on new or existing substrates, preparing them to receive all kinds of flooring where a high resistance to loads and traffic is required. It is for interior use only.

Product Information

Form	Grey Powder
Handling & Storage	The material must be stored in a shaded area with minimum exposure to sunlight and UV. The containers should be protected from all sources of heat and ignition.
Packaging	Available in 30 kg bags.
Shelf Life	12 months when stored in unopened sealed conditions away from heat and sunlight.
Handling Precautions	As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. Keep away from children and animals. After opening the seal, always consume total material.

Technical Characteristics at 30°C, 55% RH

Application time, minutes	20 - 30	Theoretical coverage / mm*, kg / m ²	1.6 - 1.7
Mix Density, gm / cc	1.9 ± 0.1	Set to light foot traffic, hours	3 - 5
Compressive Strength, MPa		Flexural Strength, N / mm ²	
• 1 day	14 - 16	• 1 day	3 - 4
• 3 days	18 - 20	• 3 days	5 - 6
• 7 days	21 - 23	• 7 days	6 - 7
• 28 days	29 - 31	• 28 days	8 - 9
Setting Time, minutes	45 - 60	W/P Ratio	0.25 - 0.26

* Depending upon surface condition.

Field of Application

- **ShaliFloor® SL UL 1C (P)** is suitable for areas subject to wheeled service loads such as chairs and trolleys.
- Application at hospitals, hotels, theatres, schools and shopping centers.

Advantages

- Easily workable with self levelling properties.
- Excellent adhesion to base concrete.
- Abrasion resistance.
- No shrinkage, cracking or crazing.
- Superfast drying.

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

- Pour the 30 kg bag of **ShaliFloor® SL UL 1C (P)** into a bucket containing 7.5 - 7.8 liters of clean water.

- Mix with a low-speed electric mixer to obtain a homogeneous, self levelling pump free mix.
- Allow the mix to stand for 2 - 3 minutes, after which the mix should be restirred and then it is ready to use.

➤ **Application of Material**

- Prime concrete surface with **ShaliSBR Latex** and allow it to dry for 6 - 8 hrs. till it is touch dry.
- Apply immediately on primed surface in a single layer from 1 to 10 mm thick with a large metal trowel or a spiked roller, keeping the trowel slightly inclined to obtain the desired thickness.
- If a second layer of **ShaliFloor® SL UL 1C (P)** is required, it is recommended to apply it as soon as the first one is set to light foot traffic.
- Ceramic tiling can be installed after 3 - 4 hrs. of curing, whereas polymer coating needs 28 days cured. For covering with Epoxy / PU, contact STP for suggestions.

Precautions

- Do not add more water to a mix, which has already begun to set.
- Do not add lime, cement or gypsum to the mix.
- Do not use **ShaliFloor® SL UL 1C (P)** for exterior levelling works.
- Do not use **ShaliFloor® SL UL 1C (P)** on substrates subject to continuous rising damp.

Value base of product data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control and different test methods.

Health and Safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent **Material Safety Data Sheet**.

- Store in a cool, dry place. Keep out of reach of children and away from eatables.
- May be harmful if swallowed.
- In case of ingestion seek immediate medical attention.
- Eye protection during application is recommended.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



STP Limited
Enhancing Structures' Life

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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