

Floorkote SL

Floorkote SL is a **two component PU flooring system** recommended for the most demanding applications in the industry. Floorkote SL is a solvent free, flexible urethane self levelling system designed to provide an extremely abrasion resistant and resilient floor topping. Floorkote SL is generally applied at a thickness of 1-3mm. It is available in limited colours.

Properties:

- Solventless : no toxic fumes.
- Fast setting.
- Highly abrasion resistant
- High impact & chemical resistant
- Flexible to cover concrete cracks
- More durable than epoxies.

Uses:

- Automobile floors.
- Pharma, Food processing & Health Care industry.
- Chemical & Fertilizer plants
- Light & heavy engineering.
- Hangars

Direction to use:

- Ensure that CDS (Clean, Dry & Sound) test is conducted on the concrete.
- Surface preparation like scarification, grinding or shot blasting is done to achieve a surface profile of 150-200 microns.
- Priming: Apply Cipoxy 16 or FB 303 and allow to cure for 6-7 hours.
- Floorkote SL application: Floorkote SL contains 2 components, viz. resin and hardener. Mixing ratio: 2.5 parts of resin to 1 part of hardner by volume.
- For thickness of more than 2mm, formulated aggregates FQ Sand P80 is added to the mix in the ratio of 2.5:1:1.
- Working with Floorkote SL necessitates thorough mixing of the two components. Using a whirl attachment clamped in an electric drill, the components are stirred thoroughly. Care is taken to ensure that the air is not being driven into the system. The size per batch should not be more than 7 lts.
- Allow to cure for 6 hours. Ensure that the coated area is protected from air borne contaminants for a minimum 6 hours and foot or vehicular trafficking for a minimum 24 hours.

Floorkote SL Ultra fresh: Floorkote SL Ultrafresh is available, incorporating the anti microbial agent, Ultra fresh for hygienic environments.

Typical physical properties:

Properties	Value	Test Method
Application time:		
Working time at 30° C	20 - 25 min.	--
Initial set at 30° C	4-5 hrs.	--
Density of the mix (2.5:1)	1.37 gm/cc	--
Bond strength to concrete	Concrete failure	ASTM D-4541
Compressive strength	65 N/mm ²	ASTM D-695
Hardness, Shore D	83	ASTM D-2240
Flexural strength	36 N/mm ²	ASTM C-580
Abrasion resistance (wt loss method)	31-32 mg.	ASTM D-4060
Absorption	< 0.2%	ASTM C-413
Shrinkage	< 0.1%	ASTM C-531
Maximum service temp	80° C	---
Theoretical Coverage	1 sq m/ ltr @1 mm.	---