



TekniFloor SLS10

Self-Levelling Cementitious Underlayment Floor Screed

DESCRIPTION **TekniFloor SLS10** is a high bond strength, fast setting and hardening self-levelling, polymer modified cementitious underlay. **TekniFloor SLS10** has been formulated to achieve a smooth flat surface with ease of application.

USES Can be used as an underlay prior to laying of carpet, ceramic tiles, vinyl flooring, resinous floor coating systems, etc. in commercial and industrial applications.

ADVANTAGES

- Flat smooth surfaces over existing concrete slabs
- Foot traffic possible after 3 hrs of application
- Can be overcoated with any epoxy or polyurethane coating after 2 days
- Very high bond strength and impact resistance
- No water curing is required
- Highly impermeable and dense material
- Fast repairs of uneven concrete floors

TYPICAL PROPERTIES at 25°C with W/P ratio 0.22

PROPERTY	TEST METHOD	VALUE	
Component	-	Single	
Form	-	Powder	
Colour	-	Grey	
Fresh Weight Density	BSEN 12350-6	2.00 kg/ltr +/- 0.05	
Working Time	-	20-30 Mins	
Traffic Time	-	Foot traffic after 3 hours	
		Vehicular traffic after 24 hrs	
Compressive Strength	ASTM C109	1 Day	10 N/mm ²
		7 Days	22 N/mm ²
		28 Days	30 N/mm ²
Flexural Strength	BS 6319-3	5 N/mm ² at 28 Days	
Bond Strength	ASTM D4541	> 2 N/mm ² at 28 Days	
Tensile Strength	BS 6319-7	> 2 N/mm ² at 28 Days	

SURFACE PREPARATION Surfaces to be laid must be clean, sound, dry, free of mould release agents, bond breaking coatings, curing compounds or any other form of contamination. Mechanical means like shotblasting, scarifying, wire brushing, grinding, chipping followed by washing with clean water can be adopted. Remove any loose, weak concrete. Refurbish such areas with suitable repair material from **ReCon** range. Ensure that the surfaces are left in a rough condition. Cut all edges at right angles. The substrate should be saturated with water prior to priming. Newly placed concrete should have been cured sufficiently to attain its



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design strength and limit further shrinkage. Concrete floors must be at least 21 days old prior to application. Expansion, control and isolation joints in concrete should be carried through the **TekniFloor SLS10** and filled with a suitable sealant from the **SealXtra** range.

PRIMING

Prepared surfaces should be primed with **TekniFloor Primer**. The primer should be brushed into the substrate using a stiff brush, broom or roller and allowed to become tacky (5-10 mins) before the application of **TekniFloor SLS10**. In case of extremely porous substrate, two coats of primer is recommended. Allow the first coat to dry before applying the subsequent coat.

MIXING

Mix **TekniFloor SLS10** by slowly adding the contents of the 25 kg bag to 5.5 ltrs of water. Mixing should be carried out using a slow speed drill machine fitted with a paddle. Mix for 2 minutes, then using spatula scrape the edges and the bottom of the mixing container for any lumps, continue mixing for further 1 minute. Do not mix part bags or add extra water, as this alters the water to powder ratio and affects the final performance of the product. Ensure that mixing is arranged to provide a continuous pour of the product. Do not mix material in quantities that cannot be applied within the pot life of the product.

APPLICATION

Pour the mixed material on the primed surface while the substrate is still tacky. Spread and level it with a steel trowel and roll it using spike roller to get a uniform surface finish. For better results, pouring and leveling should be done in a continuous process. Wear spiked shoes during application. Work up to 10 mm in a single layer.

APPLICATION THICKNESS

3-10 mm in a single layer

CURING

TekniFloor SLS10 must be protected for at least 16-20 hrs by covering with a polythene sheet as soon as the product has achieved its final set (after 60-90 minutes). Applied material should not be water cured.

PACK SIZE

25 kg bag

YIELD

15 ltr/25 kg bag

COVERAGE

3.75 m²/bag at 4mm thickness

Actual coverage depends on finish, porosity and texture of the substrate.

LIMITATION

TekniFloor SLS10 should not be applied in areas with standing water. Feather edges should be avoided.



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GENERAL INFORMATION	Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
	Cleaning	Clean all equipments and tools with water immediately after use.
HEALTH and SAFETY	PPE's	Gloves, goggles and suitable mask must be worn.
	Precautions	Contact with skin, eyes, etc. must be avoided.
	Hazard	Regarded as non-hazardous for transportation.
	Disposal	Do not reuse bags or containers. To be disposed off as per local rules and regulations.
	Additional Information	Refer MSDS. (Available on request.)
TECHINCAL SERVICE	CONMIX Technical Services are available on request for onsite support to assist in the correct use of its products.	

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