



# PACTOTop SLU 10

Self-levelling Underlayment/ Cementitious Floor Screed

## DESCRIPTION

**PACTOTop SLU 10** is a high bond strength, crack free, fast setting & hardening self-levelling, polymer modified cementitious underlayment. **PACTOTop SLU 10** has been formulated to achieve a smooth flat surface with ease of application and maximum flow without any shrinkage or cracking.

## TYPICAL USES

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

## ADVANTAGES

- Application thickness from 3mm to 10mm in a single layer
- 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

## TECHNICAL DATA

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

PROPERTY	TEST METHOD	VALUE
Component		Single
Form		Powder
Colour		Grey
Fresh Wet Density	BSEN 12350-6	2.00 kg/ltr +/- 0.05
Working Time		20 - 30 mins
Setting Time	ASTM C191	90- 120 mins
Traffic Time		Foot traffic after 3 hrs
Vehicular traffic		after 24 hrs

PROPERTY	TEST METHOD	VALUE
Compressive Strength	ASTM C109	10 N/mm <sup>2</sup> at 1 day
		22 N/mm <sup>2</sup> at 7 days
		30 N/mm <sup>2</sup> at 28 days
Flexural Strength	BS 6319-3	5 N/mm <sup>2</sup> at 28 days
Bond Strength	ASTM D4541	>2 N/mm <sup>2</sup> at 28 days
Tensile Strength	BS 6319-7	>2 N/mm <sup>2</sup> at 28 days

## APPLICATION INSTRUCTIONS

### 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 PACTORep range. Ensure 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 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 **PACTOTop SLU 10** and filled with a suitable sealant from the PACTOTop Seal range.

### PRIMING

Prepared surfaces should be primed with **PACTOTop SLU 10 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 **PACTOTop SLU 10**. 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 **PACTOTop SLU 10** 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 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

**PACTOTop SLU 10** 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.

### LIMITATIONS

**PACTOTop SLU 10** should not be applied in areas with standing water. Feather edges should be avoided.

### COVERAGE

3.75 m<sup>2</sup>/bag at 4mm thickness

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

### PACKAGING AND YIELD

PACK SIZE is 25 kg bag

YIELD is 15 ltr/25 kg bag

### STORAGE AND SHELF LIFE

Shelf Life: 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

### EQUIPMENT CLEANING

Clean all equipments and tools with water immediately after use.

### HEALTH AND SAFETY

PPE's Gloves, goggles & suitable mask must be worn.

Precautions: Contact with skin, eyes, etc. must be avoided.

Hazard: Regarded as non-hazardous for transportation.

Disposa: I Do not reuse bags or containers. To be disposed off as per local rules & regulations.

For additional Information please refer MSDS, available on request.



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