



PROTECTIVE & MARINE COATINGS

FasTop SL45 SP

PRODUCT TECHNICAL DATA



PRODUCT DESCRIPTION

FasTop SL45 SP is a water-based polyurethane self-smoothing resin floor screed designed to provide very heavy duty usage with resistance to thermal shock, abrasion and chemical attack in aggressive industrial environments. The system utilises universal FasTop bases, hardeners and colourants in combination with a specific aggregate to provide a smooth seamless matt surface with good anti-slip properties. FasTop SL45 SP is suitable for use in a variety of wet and dry environments as a dense, impervious flooring solution ideal for applications in food and beverage, chemical and pharmaceutical industries to provide a long lasting floor.

ADVANTAGES

- High chemical resistance
- Resistant to hot water and steam
- Self sealing
- Extremely hard wearing
- Good slip resistant finish
- Matt finish
- HACCP certified

RECOMMENDED USE

- Food manufacture and processing
- Brewing and beverage
- Pharmaceutical and chemical plant processing
- Heavy duty plant and traffic areas
- Dairies
- Commercial kitchens
- Abattoirs and meat processing

PRODUCT DATA

Volume Solids:	~100%	Application at 20°C
Finish:	Matt finish	Recoating Intervals: N/A
Flash Point:	N/A	Light Traffic: 12-16 hours
Cleanser/Thinner:	N/A	Full Traffic: 48 hours
Pack Size:	20.3 kg	Full Chemical Cure 5-7 days
Pack Weights:	2.5 kg Blank base 2.5 kg hardener 0.3 kg Colour pack 15 kg Aggregate	Pot Life: 15 minutes from mixing
Mixing Ratio:	As above packing weights	Note: All mixed paint must be used within the pot life time limit, if the paint is left in the container after mixing and not used, it may release hazardous fumes due to exothermic reaction.
Shelf Life:	All resin components have a 12 month shelf life when kept in unopened containers. Aggregates have a 6 month shelf life stored in good conditions.	Coverage Rate: 20.3 kg will cover 2.53 m ² @ 4 mm thickness (or 2 kg/m ² per mm) (Theoretical)
Storage:	Keep out of direct sunlight. Store in a dry place, between 15°C – 30°C. Aggregates must be stored in a dry area to prevent contamination by moisture, as this will have a detrimental effect on the product.	System Thickness: (Recommended) 4-5 mm <i>Coverage rate is calculated based on a sealed and smooth surface and may vary based on the substrate roughness and other conditions.</i> <i>The suggested thickness range is calculated based on average volume solid as a general recommendation for the specified condition and for each application may vary.</i>
		Recommended Application Methods: Trowel with optional finish with a roller



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SURFACE PREPARATION

New Concrete Floors: New concrete must be clean, sound, dry, fully cured and surface laitance removed by vacuum enclosed shot blasting or mechanical grinding, a minimum strength of 25 N/mm² is required.

Existing Concrete Floors: Remove all dirt, oil, grease, old paint or any other surface contaminants by vacuum enclosed shot blasting, scarifying or mechanical grinding. Fats, oils or greases must be removed by mechanical means and detergent washing and making sure all residue of detergent is washed and removed by rinsing with clean water. Local repairs should be carried out using **FasTop BU SP**.

Existing Floors (previously coated): All previous coatings and loose floor paints must be removed by mechanical preparation as described in the above section and primed as specified. If the old resin flooring cannot be removed then please consult with our technical team for advice on intercoat adhesion and suitability, as it may not be compatible with the existing floor coating.

Anchor Joints: To ensure the maximum bond is achieved, grooves must be cut into the perimeter of the subfloor, typically 20 mm deep by 10 mm wide. These should be inset approximately 150 mm from and running parallel with the walls and adjacent to any doorways, plinths etc. including any finished edge, i.e. both sides of a day work joint. The groove must have a neat square edge and the **FasTop SL45 SP** laid to the full depth forming a perimeter anchorage.

APPLICATION

4-pack Mixing: Add the **FasTop Multi SP** blank base **Part A** pouch and then the **FasTop Multi SP** colour pack pouch contents into a mixing bucket or directly into a rotary drum mixer, mix thoroughly for one minute then add the **FasTop Multi SP** hardener **Part B** pouch component. If a separate bucket has been used pour the combined mix into a rotary drum mixer and add the aggregate component steadily, until a homogeneous mix of the four components is achieved.

FasTop SL45 SP When thoroughly mixed should be poured evenly over the appropriate area to be covered (monitoring rate of coverage to ensure correct depth of screed). Low floor temperatures and reduced thickness may reduce the flow properties of these products. Work out the mix rapidly and evenly over the area with a notched trowel, pin rake or similar to the appropriate thickness. Roll immediately with a spiked roller to achieve an even smooth surface and remove entrapped air. Do not re-roll later.

FasTop SL45 SP may be applied to substrates with a surface temperature in the range of 5-20°C and a relative humidity <90% RH, with a minimum air temperature of 8°C and no condensation. Do not pre-warm this product as working times will be substantially reduced if materials are warm.

NB: Cure times are extended at low temperatures.

RECOMMENDED PRIMING

Dry or porous substrates must be primed using **FasTop TC** where the relative humidity of the substrate is less than 75%. This should be lightly scattered with silica aggregate approximately 1 mm in size. Where the Relative Humidity of a substrate exceeds 75% ERH **Resuprime MVT** should be specified and selected on the basis of hygrometer readings in accordance with BS 8203. The number of coats to be applied is chosen in accordance with the following table:

ERH%	Required Coating Thickness
75-85	1 coat of Resuprime MVT at 200 µm per coat
85-92	2 coats of Resuprime MVT at 200 µm per coat
92-97	3 coats of Resuprime MVT at 200 µm per coat

For further information please refer to recommended individual product data sheets.

HEALTH AND SAFETY

Consult Product Health and Safety Datasheet for information on safe storage, handling and application of this product.

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