

Estogard PU S600

6 – 9 mm High Performance Polyurethane Floor Screed

Description

Estodard PU S600 is a 4 components polyurethane trowelable screed for industrial application and repairing system in matt anti-skid finish offering versatility in performance, aesthetics and economics.

Uses

- Hygienic floor for kitchen, wet food, beverage processing and packaging plants
- Chemical resistance floor for chemical process, containment area and wash down rooms
- Thermal shock resistance floor for freezers, refrigerators, and oven installed spaces
- Mechanically durable floor for loading docks and warehouses
- Anti-skid finish for safety in oily/slippery service condition

Advantages

- Seamless without joints for optimum sanitation and hygienic finish
- Anti-skid surface for safety
- Resistant to bacterial, mildew, mould and fungi growth
- High density systems with maximum wear, abrasion and impact resistance
- High temperature resistance up to 130°C
- Excellent chemical resistance
- User friendly, no solvent odour during installation
- One of the fastest turnaround time for polymer modified products reduces costs.
- Easily cleaned and maintained smooth surface

Physical Properties

Density, kg/mm ³	2.2
Compressive Strength, N/mm ²	50
Tensile Strength, N/mm ²	7
Flexural Strength, N/mm ²	15
Dynamic Elastic Modulus, N/mm ²	20000
Adhesive Strength, N/mm ²	Concrete failure
Thermal Conductivity, W/m ² °C	1.0
Taber Abrasion Resistance	1 gms / 1000 gms loading 1000 rpm
Coefficient of Thermal Expansion, °C	2.5 × 10 ⁻⁵
Impact Resistance, mm	< 0.5 (BRE Screed Tester)
Pot Life, mins:	
at 30 °C	15
at 15 °C	25
at 8 °C	35
Service Temperature:	
At 6mm	130 °C max. & -25 °C
At 9mm	140 °C max. & -35 °C
At 12mm	150 °C max. & -45 °C

Application Instructions

Surface Preparation

Substrate shall be cleaned and free from oil, grease and other contaminants. Allow new concrete to cure for at least 28 days before application of primer. If substrate moisture exceeds 4%, moisture barrier shall be used. Preparation by captive blasting or diamond grinding is ideal for application of topping.

Mixing

Add part A and part B to a clean mixing drum and mix for 10 second until uniform using a helical spinner. Add the pigmented part C and part D powder and further mix for 1 minute 30 second to achieve a fully homogenized consistent mortar. Scrap out residue of previous mix from the sides of the drum and discard before the next pack. Stir mix well both contents with high power mixer 750 rpm.

Primer

Application of **Estoprime LV** will enhance the adhesion of the topping to concrete slab.

Application

Spread the composite matrix to thickness 6 – 9 mm and consolidate with steel trowel to the correct depth. Use short nap roller dipped in xylene and roll lightly on the surface to bring up the resin.

Temperature

Estogard PU S600 should not be applied on material or floor temperatures below 10°C. Temperature should not fall below 5 °C in the 24 hours after application. Service temperature is depending on thickness but may be up to 130°C on intermittent splash. Not for immersion.

Curing

	25 °C	35 °C
Foot Traffic, hr	10	8
Light Traffic, hr	24	18
Full Traffic, hr	48	24
Full Cure, days	7	5

Substrate Movement

All moving joints must be carried through the **Estogard PU S600** and properly sealed. Construction joints and cracks may be covered but if substrate movement occurs, the **Estogard PU S600** will reflect the crack.

Cleaning

Clean all the tools with acetone, xylene or other solvents prior to material taking a hard set. Small unreacted Part B in container to be decontaminated with 5% solution of washing soda (Sodium Carbonate) prior to disposal. After material has set it is virtually impossible to get off and can only be removed mechanically.

Maintenance

Regular cleaning and maintenance will prolong the life of all resin floors, enhance the appearance and reduce the tendency to retain dirt.

Packing & Size

Estogard PU S600	32 kg pack
Estoprime LV	5 L pack

Coverage

Estogard PU S600	2.0 – 2.5 m ² / 6mm / pack
Estoprime LV	5 m ² /L

Note: These figures are for guidance only. Actual coverage will depend on the texture and porosity of the surface being covered.

Technical Support

Estop offers a technical support package to specifiers, end-users and contractors, as well as on-site technical assistance.

Storage

All parts of **Estogard PU S600** should be stored properly in original (unopened) packaging in dry conditions at 10 – 32°C. Shelf life will be 12 months minimum. Exaggerated temperature/humidity ranges can adversely affect shelf life.

Precaution

Some of the components of this product may be hazardous during mixing and application. In case of contacted with eyes, rinse with water and immediately seek medical advice.

Additional Information

Estop manufactures and offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.

Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.