

Tek-Screed SS PU Topping

Self-smoothing polyurethane floor topping



Technical Data Sheet

Description

Tek-Screed SS PU Topping is a polyurethane based self-smoothing topping suitable for application in wet and dry process environment. The product is designed for commercial, semi-industrial and institutional application.

Advantages

- Seamless
- Hard wearing
- Non skid
- Easy maintenance facilitate house
- Keeps works and lower maintenance costs
- Available in wide range of standard colors

Uses

Tek-Screed SS PU Topping is formulated for use floor as below:

- Areas subject to heavy traffic or chemical exposure
- Engineering work shops
- Assembly plants
- Chemical plants
- Food and pharmaceutical factories
- Warehouses

Technical Data*

Property	Typical Results
Solids	100%
Pot life	20 min @ 30 deg C
Initial cure	1 hour
Full cure	12 hours
Compressive strength BS 6319 : Part 2	70 MPa
Flexural Strength ASTM C 580	30 MPa
Adhesive strength BS6319 Part 4	Greater than cohesive strength of concrete
Shore D Hardness	74 - 77
*The above properties are average laboratory values	

Packing

Tek-Screed SS PU Screed is available in three component mix of base (A), hardener (B) and filler (C) in 16 kg kit

Theoretical Coverage

5 Kg / m² @ 3mm thickness

Shelf Life

12 months when stored in cool dry environment in factory packed unopened containers.

Installation Guidelines

Spraytek provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting the work. The information below is a summary intended for guidance only.

Surface Preparation

Concrete substrate must be structurally sound. Loose or unsound concrete should be removed. Surfaces must be entirely free of oil, grease, paint, corrosion deposits, dust, laitance or other surface deposits. The substrate must be prepared to create a 'key' for bonding by shot blasting. Any blow holes should be filled with **Tek-Crete EFC**. The moisture content of the concrete substrate should be less than 7%.

Application Conditions

For best results of **Tek-Screed SS PU Topping** materials, substrate and air temperature should be in the range of 15 -25 degre C. While **Tek-Screed SS PU Topping** will cure out effectively over a wide range of temperatures the optimum appearance and profiles are most readily achieved under good site conditions.

Low temperature will retard the setting and can impair the visual appearance of the floor.

High temperature will shorten the open time and can impair the appearance of the floor.

Primer

Application of **Tek-Prime PU** will enhance the adhesion of screed material to the concrete surface.

Mixing

For **Tek-Screed SS PU Topping**, stir Part A thoroughly then empty Part B into Part A container and mix till homogeneous. Add gradually the entire content of part C into the mixture while stirring. Continue until a uniform mixture is attained.

Application

Pour the mixture of components A, B and C onto the hardened primer surface and spread evenly with steel trowel. Roll with spike roller immediately after spreading to remove bubbles and aid the smoothening process.

Precautions

Do not add any thinner or solvent.
Do not mix by hand.
Do not part mix, use full pack.
Do not apply in wet conditions or at temperature below 3°C of the dew point.
Do not over mix the product.
Do not dispose into water drains.

Technical Support

Spraytek offers full technical support package to specifiers, contractors and end users, as well as technical assistance on site and after sales consultations.

Health & Safety

As with all chemical products, caution should always be exercised. Protective clothing, such as gloves and goggles, should be worn. See packaging/MSDS for specific instructions.

Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Reference #	TDS / STC / TSSSPUT
Issue Date:	06/2012
Revision #	1

The information contained herein is to the best of our knowledge, belief, and accuracy. However, hence the conditions of handling and usage beyond our control. We make no warrantee of results, and assume no responsibility or liability for any damages or consequential damage incurred by the use of the product. Our products are sold on the condition that the user shall evaluate them, as well as our recommendations. To determine their suitability for a particular purpose. The user is solely responsible for the selection of Spraytek products.



Spraytek Coatings LLC

P.O. Box 27356, Dubai, U.A.E., Tel.: +9714 2221432, Fax: +9714 2275750, Email: info@spraytek.ae

www.spraytek-me.com