

Technical Data Sheet



Description

Tek-Screed PU Screed is a polyurethane based screed suitable for application in wet and dry process environment. The product is designed for heavy hard wheeled traffic and can obtain optimum slip resistance. It is dense and impervious providing the ideal floor finish for areas where robust long lived floor is required

Advantages

- High slip resistance
- Good temperature resistance
- Non tainting
- Good Chemical resistance
- High impact resistance
- Clean and hygiene
- Good substrate moisture tolerance

Uses

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

- Food and beverage industry
- Pharmaceutical
- Chemical Industries
- Industrial floors etc
- Hotel kitchen floors

Technical Data*

Property	Typical Results
Compressive strength BS 6319 : Part 2	48 - 58 MPa @ 28 days
Flexural Strength ASTM C 580	12 - 14 MPa @ 28 days
Tensile strength ASTM D 638	5 - 7 MPa @ 28 days
Adhesive strength BS 6319 Part 4	Greater than cohesive strength of concrete
Density	2.0 – 2.09 g / cc
*The above properties are average laboratory values	

Packing

Tek-Screed PU Screed is available in

Tek Prime PU: 15 Liter

Tek screed PU screed: 16 Kg screed

Tek Floor PU: 15 Liter

Filler: 25 Kg

Theoretical Coverage

Product	Coverage
Tek Prime PU	0.2 – 0.4 Kg / m ²
Tek Screed PU Screed	8 - 10 Kg / m²
Tek Floor PU	0.7 – 0.9 Kg / m ²
Filler	4 – 5 Kg / m²

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 PU Screed** materials, substrate and air temperature should be in the range of 15 -25 degre C. While **Tek-Screed PU Screed** 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.

Curing

Normally **Tek-Screed PU Screed** floors can be put into service within 24 hours even at 8 degree C.

Cleaning

Tek-Screed PU Screed can be cleaned off from the tools and equipment while still wet with Tek clean.

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.

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