

Technical Data Sheet

Description

Tek-Floor PU is a high performance solvent free polyurethane system specially developed for use as a high build flexible waterproofing decking membrane.

Tek-Floor PU is formulated on a complex blend of high molecular weight polyols and urethane polymers, which produces a system with outstanding impact and chemical resistance with a high degree of flexibility. The special blend pigments enables a select range of colors suitable for long term protection.

Advantages

- Easy to use
- Excellent adhesion to any floor surface with appropriate primer
- Simple and safe product
- Long term maintenance free protection

Uses

Tek-Floor PU has excellent adhesion to almost any mineral surface in combination with **Tek Prime PU** primer and is ideal for long term protection of car parks and where long term maintenance free protection is required.

Physical Properties*

Properties	Test Results
Elongation, ASTM D412	250%
Adhesion, ASTM D4541	>3 MPa (on concrete)
Impact resistance, ASTM D2794	12.25 Joules
*The above properties are average laboratory values	

Packing

Tek-Floor PU is supplied in 15 liter packs

Application Properties

Mixing ratio	2:1 (Base : activator)
Appearance	Base – Viscous clear, Activator – Thixotropic color
Pot Life	25 minutes
Touch dry	8 hours
Hard dry	16 hours
Minimum over coating	16 hours
Maximum over coating	24 hours
Volume solids	100%
VOC	<11 gm/liter

Theoretical Coverage

5.0 m² per lt. at 200 micron DFT

Shelf Life

12 months when stored in factory packed unopened kit in a cool dry and elevated place away from direct sunlight excess humidity and at a temperature not more than 35°C.

Application Guidelines

Spraytek provides detailed method statements on all its products for use in various areas of applications. These must be referred to prior to carry-out the works. The information below is intended for guidance only.

Surface Preparation

The new concrete should be at least 28 days old and moisture content should be less than 7 %. The surface should be sound, clean, dry and free from any dirt, loose debris, oils, grease, curing compounds sealers etc. On all surfaces where **Tek-Floor PU** decking system terminates, a rebate of approximately 3mmx3mm should be cut for 'tucking in' the decking system. All dust and loose material should be removed by vacuum cleaning or sweeping from surface. Prepared surface should be primed with **Tek-Prime PU** at a spreading rate of 0.5 kg/m² into which graded silica is scattered at a rate of 0.5 kg/m².

Mixing

Tek-Floor PU is a two component material comprising of base and activator components which must be mixed prior to use.

The activator component should be thoroughly stirred to ensure no separation and then added to the base to be mixed continuously to get a homogeneous mix.

The use of mechanical stirrer is recommended to ensure thorough and complete mixing.

The material mixed should be used within 25 minutes at 20 degree c.

Application

Application should not be carried out when air and surface temperature are below 5 degree or the humidity exceeds 85%.

Tek-Floor PU should be applied to give a smooth uniform coating by serrated squeegee or roller, with squeegee being the preferred method, at a nominal thickness of 2 Kg per square meter spreading rate.

All equipment must be cleaned immediately after using with **Tek-Clean** thinner.

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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