



## Technical Data Sheet

### Description

**Tek-Seal PU** is a high performance, one part, moisture cured polyurethane sealant for multipurpose use in expansion and construction joints.

### Advantages

- Single component
- Easy to use
- No mixing required
- Suitable for wide variety of substrates
- Short tack free time
- Durable resilient seal
- Available in standard colors

### Uses

- Construction joints
- Joint sealing of floors, subways, cladding, precast units, basements
- High movement joints
- Crack sealing
- General purpose joint sealing

### Physical Properties\*

Property	Typical Results
Hardness, shore A	25
Elongation	230% minimum
Stain Index	<1
Modulus of elasticity	0.25 MPa
Elastic recovery	>70%

\*The above properties are average laboratory values

### Movement accommodation

Lap Joints : 50%  
Butt Joints : 25 %

### Standards Compliance

ISO 11600 class F25LM

### Packing

600 ml sausages

### Available Colours

Grey and white.

Available in wide range of colors, depending upon minimum order quantity.

### Yield

Joint Size in mm	Meter/ 600cc sausage
6x6	16.66
10x6	10.00
12x6	8.33
12x10	5.00
20x10	3.00
25x12	2.00
30x15	1.33
40x20	0.75

### Application Properties

Tack free time	70-100 min at 25 deg C
Resistance to flow	<3mm at 25 deg C
Application temperature	5-40 deg C
Cure Depth	2.5 mm after 24 hrs @ 25 deg C

### Shelf Life

12 months when stored in cool dry environment in factory packed unopened packs between 5°C – 25°C.

### 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.

### Joint design Considerations

Movement of joints should be designed to allow a sealant width to depth ratio of 2:1  
In order to allow movement to be accommodated for the full length of sealant, it must be debonded.

The joint sealants should always be fully supported and the sealant recessed to ensure that at no time during the movement cycle, will the sealant extrude above the level of pavement surface. It is preferred to apply appropriate primer for better performance at joint edges.

### Joint Preparation

The formation of joints should be accurate and the concrete surfaces should be minimum 28 days old. The joint edges should be sound and free from any contaminants. It is preferred to prepare the joint edges by grit blasting or by wire brush to produce a rough clean surface. Care should be taken to ensure that joint is formed to the required depth and any expansion joint filler is tightly packed in place.

### Priming

Primer to be used is **Tek-Prime PU**. The primer should be applied to the sides of the joint using clean, dry paint brush. After primer is applied, the joint has to be debonded using siliconized debonding tape over the joint filler board. **Tek-Seal PU** to be applied when the primed surface is touch dry. The sealant application is done between 1-3 hrs after the application of primer. If the primed surface is left to dry for more than 3 hrs, then it has to be reprimed before the application of sealant.

Apply masking tape on both the edges of the joint before the application of the primer or the mastic. Insert backing rod into the prepared joints. The diameter of the backing rod should be minimum 20% greater than the joint width.

### Gun loading

Sealant gun to be used for application. Cut one end of the foil sausage and load the gun with the open end towards the nozzle.

### Application

The area to be sealed is to be masked off to prevent excess sealant from contaminating the façade or concrete surface. The sealant has to be gunned firmly into the joint, and ensure that the joint edges have full contact with the sealant. Finish the sealant surface using soapy water and a sealant finishing tool.

### Cleaning

All tools shall be cleaned with solvent as per Spraytek recommendation immediately after use.

### Precautions

Unused components should be allowed to cure first before disposing

Do not apply in wet conditions or at temperature below 3°C of the dew point.

Do not allow to come in contact with asphalt.

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 /TSPU
Issue Date:	01/2012
Revision #	0

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