



Technical Data Sheet

Description

Tek-Seal PS is a high performance polysulphide sealant which is used in variety of applications due to its excellent adhesion to most substrates and can be used in immersed conditions even.

Advantages

- Could be used in contact with portable water
- Excellent application properties
- Is available both in gun and pouring grade
- Can be used in immersed conditions

Uses

- Joint sealing of floors, subways, cladding, basement cladding
- High movement joints
- General purpose joint sealing

Movement accommodation

Lap Joints : 50%

Butt Joints : 25 %

Standards Compliance

BS 4254 and BS 6920

Packing

Gun Grade :

2.5 litre pack containing base and curing agent in the same can, separated by a colour paste

Pouring grade :

4 Litre pack comprising separate base and curing agent

Available Colours

Gun Grade : Grey and white.

Pouring grade : Grey

Application Properties

Pot Life	2 hours @ 35 deg C
Initial Cure	24 hours @ 25 deg C
Final Cure	7 days @ 25 deg C
Application Temp	0 – 60 deg C

Theoretical Coverage

Joint Size (mm)	Liters / meter run	Meter run / Liter
10x10	0.1	10.00
13x13	0.17	5.92
15x15	0.22	4.44
20x15	0.30	3.33
20x20	0.40	2.50
25x20	0.50	2.00
25x25	0.62	1.60
30x25	0.75	1.33
30x30	0.90	1.11
50x25	1.25	0.8

Shelf Life

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

Tek-Seal PS has a movement accommodation factor (MAF) of 25% and hence can be applied in joints of 5mm – 60mm wide and 10mm-25mm depth.

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 PS** 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.

Mixing

Gun Grade: The curing agent and base are packed in a single pack separated by the color paste. Mix with a mixing paddle at slow speed (400 – 500 rpm). Mix for 3-4 minutes for complete mixing.

Pouring Grade: Add the entire contents of part A (curing agent) to Part B (base component) and mix with mixing paddle at slow speed (400 – 500 rpm) for 3-4 minutes to ensure complete mixing. Temperature of the sealant should be between 10-60 deg c.

Application

Gun Grade: Apply using a sealant gun or direct from the can using a spatula.

Pouring Grade:

Apply using a sealant gun designed for pouring grade sealants, or use direct from the can. The joint sealant should be slightly recessed.

Cleaning

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

Precautions

Do not apply in wet conditions or at temperature below 0°C of the dew point.

Do not allow to come in contact with asphalt or in swimming pools.

Do not expose to aggressive chemicals

Do not part mix

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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