TECHNICAL DATA SHEET

SUPERSEAL TPS

Two-Component, Tar Extended Polysulfide Joint Sealant

Description

SUPERSEAL TPS is a high-performance fuel resistant flexible sealant for use in horizontal and vertical joints in concrete subject to attack from fuels, chemicals and biodegradation. Its jet fuel and flame resistance make it ideal for sealing joints where fuel, oil, hydraulic fluid and skydrol spillage may occur, such as airport fueling locations, highway fueling stations, ports and wharf age. It can also be used for wastewater structures, industrial plants, pavements, roads and walkways.

Features & Benefits

- Can be used in immersed conditions
- Durable resilient seal
- High early movement accommodation
- Excellent application characteristics
- Good fuel and chemical resistance
- Available in gun and pouring grades

Uses

SUPERSEAL TPS can be used in:

- High movement joints
- Immersed joints
- Pavement joints subject to fuel spillage
- Joints in wastewater structures, runway and parking area in Airports, Garages, Car parking…etc.
- Floors subject to chemical spillage

Technical Properties

Appearance	Thixotropic Paste
Color	Black
Density	1,600 Kg/m^3
Pot Life	60 minutes @ 25 ^oC
Initial curing time	24 hours
Full curing time	7 days
Shore A hardness	30-40
Movement accommodation	25% in butt. Joints 50% in Lap Joints

Chemical resistance	
Salt	Excellent
Water	Excellent
Lubrication oils	Excellent
Aviation fuel	Excellent
Petrol	Excellent

All values are subject to 5-10% tolerance

Standards Compliance

- BS 5212 type N, F & FB. US Fed Spec. SS-S-200E

Application Procedures

Surface preparation:

Joint Design Considerations

SUPERSEAL TPS has a movement accommodation factor (MAF) of 25%. It can be applied in joints of 5mm to 50mm wide and 10mm to 25mm deep.

Movement joints should be designed to allow a sealant width to depth ratio of between 1½:1 and 1:1.

In order to allow movement to be accommodated over the full width of the sealant, it must be de-bonded.

Joints in concrete pavements are subject to vehicular traffic. Joint sealants should therefore 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 the pavement surface.

Joint Preparation:

Joints should be accurately formed. Joint edges must be sound, dry and free from any contaminants. The joint edges must be prepared by grit blasting, grinding or wire brushing to produce a rough clean surface. Care should be taken to ensure that the joint is formed to the required depth, and any expansion joint filler tightly packed in place. For joints in asphalt contact your SBI representative or distributor for advice regarding priming and joint detailing.

For maximum performance, joint edges must be primed with TOPSEAL EP or TOPSEAL S30 primer.

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Mixing Instructions:

Add the entire contents of Part A (curing agent) to Part B (base component) and mix with suitable mixing paddle using a slow speed drill. Mix for one minute then scrape the sides of the container to ensure all of Part A is removed from the sides. Mix for three minutes more to ensure complete mixing. Temperature of the mixed sealant should be between 10°C to 35°C.

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Application Instructions:

Apply **SUPERSEAL TPS** using a sealant gun designed for gun grade sealants or use direct from the can. The joint sealant should be slightly recessed. Apply within maximum 45 minutes of mixing at 25°C. **SUPERSEAL TPS** can be mixed and installed using a low-pressure proportioning pump and static mixer.
The surface of the joint can be finished and smoothed with a clean knife or similar tool moistened with a little detergent solution.

Cleaning

Tools and equipment should be cleaned immediately after use with solvent.

Coverage

Qty in Liter per linear meter = $\frac{W \times D}{1000}$

W = Joint width (mm)
D = Joint Depth (mm)

Packaging

SUPERSEAL TPS is available in 1 gallon & 15 Liter two-component kits.

Storage

Keep the product in dry and sheltered place at temperature between +5ºC to +35ºC. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

REV 00-9005

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