

PRODUCT DESCRIPTION: Fibseal PS is an elastic, two component, pour-grade, air curing polysulfide sealant specifically developed to be used in building joints where high elasticity is required. It conforms to BS 5212: 1990 Part I -Type F and Type FB (Flame and Fuel Resistance). Also complies IS 12118 Part 1 – 1987. It conforms to BS:4254 and ASTM C 920.

AREAS OF APPLICATION

The product is suitable for :

- panel walls
- Roof light joints
- external walling
- Joints between pipe lines
- curtain walling and cladding
- Concrete cracks repairs in slab
- sealing joints in pre-cast elements
- sealing expansion & control joints
- window and door perimeter sealing etc
- Atomic nuclear power station reactor domes
- Joints in concrete roads bridges, subways, flyovers & airport runway
- Joints in water retaining structures like water tank, swimming pool, aqueducts, dams, canals & reservoirs

ADVANTAGE

- Easy mixing and applying
- Resistance to water and chemicals also good resistance to flame and fuel.
- Excellent UV resistance after full cure is over Long life
- Very high thermal flexibility
- Suitable for potable water after full cure
- Adhesion compatible to most of substrate

APPLICATION

SURFACE PREPARATION

Joint surfaces must be dry, clean and free of all contamination. Glass, metal and other nonporous surfaces must be free of any coatings and wiped clean with solvent. Precast panels using form-release agents other than polyethylene film must be sandblasted or mechanically abraded and dust free.

PRIMING

Use of primer on vertical side faces of the joint is optional to ensure strong bonding between substrate and sealant. Primer must be recommended for old concrete. Sealant application should start after 30 minutes but not later than 2 hrs after priming the surface.

MIXING

The Base and Accelerator compounds are packed in pre-weighed quantity as per the mixing ratio. Mix the material of individual container. Transfer entire quantity of Accelerator to the base compound and mix it thoroughly to a uniform and homogenous Grey colour. Mixing can be done manually with spatula/palette knife or special flat stirrer attached to a low speed electric mixer less than 500 rpm.

APPLYING AND LAYING

Recommended application temperatures: 5° - 50°C. For easier use or cold weather application we recommend the material is stored at approximately 25°C prior to use. In order to guarantee free movement of sealant in joints, it is imperative that the sealant does not adhere to the bottom of the joint; therefore joint backer rod should be used at the proper depth. Firmly extrude sealant into the joint making sure that it is in full contact with the sides of the joint and with the backing rod at the bottom. Keep the nozzle in the sealant; continue on with a steady flow of sealant preceding the nozzle to avoid air entrapment. Avoid overlapping of sealant to eliminate entrapment of air. Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

Finish the joint in concave shape by using wooden batten soaked in soap water or white spirit from time to time. Remove masking tape within 30 minutes before setting of sealant.

TECHNICAL SPECIFICATIONS

Chemical Basis	Polysulfide
Specific Weight	1.55-1.65gm/cc
Pot Life, 25 °C	Minimum 2 hrs
Colour	Grey
Solid Contents, %	97 – 98
Service Temp, °C	- 40 – 85
Application Temp, °C	5 – 50
Theoretical Coverage, rm, gm	55 For 2.5 mm x 12.5 mm
Setting Time, 35 °C	6 hrs
Shore A hardness	7+2
Movement Accommodation Factor,	
• Butt Joints	± 25 %
• Lap Joints	± 50 %
Full cure	Upto 8 days in tropical conditions
Ratio(Base : Accelerator)	12.33:1(A:B)

FIBSEAL PS

High Performance Polysulfide Sealant

Product # 114.82

Version no: 06.8.21

Data
Tech

CLEAN UP

Clean all tools immediately after use with fibrex paint remover. Do not allow material to harden. Any hardened material will need to be removed mechanically.

PACKAGING

Available in 4 kg Container packed 16 kg carton.

Note : Order quantity will be in multiple of carton only.

STORAGE

Store the material at temperatures between + 10° C and + 45° C in originally sealed packages, the material can be stored for 12 months.

PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to resin-based materials. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

DISCLAIMER:

Fibrex Construction Chemicals pvt. Ltd. products though are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Fibrex wishes to clarify that any advice recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

