

# ShaliSeal<sup>®</sup> PS PG

Pouring Grade Polysulphide Sealant



STP Limited

## Description

ShaliSeal<sup>®</sup> PS PG is liquid Polysulphide polymer based two component sealant, which adheres to most of building materials like cementitious substrates, aluminum, glass, wood, mild steel etc.

It conforms to BS 5212: 1990 Part I -Type F & Type FB (Flame and Fuel Resistant), IS 12118 Part 1 – 1987, BS:4254 and ASTM C 920.

## Characteristics

Pot Life, 25 °C	Minimum 2 hrs	Shore A hardness	7 + 2
Colour	Grey	Specific Gravity	1.55 – 1.65
Solid Contents, %	97 – 100	Movement Accommodation Factor, %	± 25 ± 50
Service Temp, °C	- 40 to + 85	• Butt Joints	
Application Temp, °C	5 – 50	• Lap Joints	
Theoretical Coverage, rm, grm *	55 For 2.5 mm x 12.5 mm	Full cure, in tropical conditions	Up to 8 days
		Setting Time, 35 °C, hr	6

\* Depending upon surface condition.

## Application

- Expansion joints in industrial, commercial or residential buildings.
- Joints in concrete roads bridges, subways, flyovers & airport runway.
- Joints in water retaining structures like water tank, swimming pool, aquaducts, dams, canals & reservoirs.
- Nuclear Power station reactor domes.
- Joints between concrete pipe lines.
- Roof light joints.

## Advantages

- Adhesion compatible to most substrate.
- Very high thermal flexibility / service life.
- Excellent UV resistant.
- Can withstand in fully submerged condition.
- Chemical / flame / fuel resistant.
- Suitable for potable water after full cure.

## Application Methodology

### ➤ Surface Preparation

- Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air and clean the surface mechanically or by grinding to make it smooth before application.
- Ensure that the moisture content in the prepared surface does not exceed 5%.
- Correct all damaged / uneven vertical edges by with ShaliFix RM C, using ShaliSBR Latex as the bond coat.
- To avoid adhesion of spill-over material beside joint, use masking tape at floor level beside both sides to get sharp edged neat and clean joint.
- Use back up material to avoid third face adhesion and to avoid contact between joint forming board & sealant.
- Use primer on vertical side faces of the joint to ensure strong bonding between substrate and sealant.

➤ **Material Preparation**

- Mix the entire quantity of Base and Accelerator compounds, which are pre-weighed, thoroughly to a homogenous and uniform 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.

➤ **Application of Material**

- Start applying the prepared mixer after 30 minutes of mixing on tacky primed surface.

**Finishing and Cleaning**

Finish the joint in concave shape by using wooden batten soaked in soap water or white sprit from time to time. Remove masking tape within 30 minutes before setting of sealant. Clean tools and tackles using solvent like Xylene etc.

**Health & Safety**

- Avoid contact with skin / eyes, and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapor.
- Wear suitable protective clothing, gloves and eye protection
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with eyes, wash immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately. Do not induce vomiting.

**Packing**

Available in 4 kg Container packed 16 kg carton.

**Storage**

Store in a cool dry place, under shed, away from heat.

**Shelf Life**

12 Months in original unopened sealed condition.

---

**STP's Businesses**  
Waterproofing & Insulation  
Road Surfacing  
Pipeline Coating  
Protective / Anti-Corrosive Coating  
GARA (Grouts & Admixtures)  
Sealant & Adhesives  
Repairs & Rehabilitation  
Epoxy Flooring

---

