

ElastoSeal PS (PG)

Two component, Elastomeric Pouring Grade Polysulphide Sealant

Description

ElastoSeal PS (PG) is two components, polysulphide polymer based pourable which adheres to most of building materials like cementitious substrates, aluminum, glass, wood, mild steel, etc.

ElastoSeal PS (PG) cures at ambient temperature, has excellent recovery characteristics after extended period of compression / elongation;

- UV resistant.
- Provides uniform, water tight seal.
- Adhesion compatible to most substrate.
- Highly resilient with excellent recovery characteristics and thermal flexibility.
- Prevents cracking by allowing expansion /contraction during atmospheric changes.
- Flexible, tear resistant, rubbery, self-leveling.
- Chemical / flame / fuel resistant.
- After full cure,
- Can withstand in fully submerged condition, and
- The Sealant is suitable for potable water as well.

It conforms to BS 5212 : 1990 Part I - Type F & Type FB (Flame and Fuel Resistant), BS : 4254 and ASTM C 920 and BN EN 14188 - 2 : 2004. joints.

Fields of application

- Joints in concrete roads, bridges, subways, flyovers & airport runway.
- Joints in water retaining structures like waer tank, swimming pool including, decks, aqua ducts, dams, canals & reservoirs.
- Expansion joints in industrial, commercial or residential buildings.

- Nuclear Power station reactor domes.
- Joints between concrete pipe lines.

Technical data

Form:	Grey, White
Specific gravity:	1.65 ± 0.1
Solid Content:	97 - 100 %
Service Temperature:	-40 to 85 °C
Pot Life, 25°C:	2 hrs
Setting Time, 35°C:	6 hrs
Full cure in tropical condition:	7 days
Shore A hardness @ 7 days	25 ± 2
ASTM D 2240	
Elongation at break:	450 ± 50 %
ASTM D 412	
Tensile Strength:	1.9 MPa
ASTM D 412	
Movement Accommodation Factor: ASTM C 719	
• Butt Joints	± 25 %
• Lap Joints	± 50 %
Water Potability	Passes

Directions to use

Substrate 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% immediately before application of Elastoseal PS (PS).

To avoid adhesion of spill-over material beside joint, use masking tape at floor level beside



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both sides to get sharp edged neat and clean joint. Use backup material to avoid third face adhesion and to avoid contact between joint forming board & sealant.

Priming

Use **Flexprime PS 100** on vertical side faces of the joint to ensure strong bonding between substrate and sealant.

Apply ElastoSeal PS (PG) within 10 - 30 minutes from the application of Flexprime PS 100 at 23°C.

Mixing

Mix the entire quantity of Base and Accelerator compounds, which are pre-weighed, thoroughly to a homogenous and uniform grey compound by a slow speed mixture (approx. 400 rpm) fitted with a suitable mixing paddle. Ensure that there is no entrapped air.

Application

Ensure depth of the joint does not exceed its width. The recommended application temperature range is 5°C and 50°C.

For cold weather application, store the product in a heated area at 20°C for 24 hours prior to use. Install polyethylene joint backing rod to control the sealant depth.

Tooling and finishing should be carried out immediately after the application of the sealant. For optimum performance, the ratio of width to depth of the sealant should be 2:1. However the Minimum sealant depth should be 6 mm.

Remarks

- Not recommended for grooves exceeding 50 mm in width
- Long exposure to UV, will reduce surface gloss, but will not affect sealant performance.

Cleaning

Clean tools and equipment first with paper towels and then wipe by using Acetone, xylene or other suitable solvents.

Packaging

Elastoseal PS (PG) is available in 4 kg Kit.

Shelf life

12 months from production date if stored in original, unopened packaging, at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

Health & safety

Avoid direct contact with this product. Use of safety glasses, rubber gloves, and protective clothing is recommended. If contact occurs, wash affected areas with mild soap and water. Keep product out of reach of children.

Refer to Safety Data Sheet for complete health and safety information.

Notes

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