

PROXON PSPG

PROXON PSPG (Pouring Grade) is a two-part polysulphide sealant forming a pourable, rubber-like material after mixing. It adheres to cement, glass, wood, and metal.



What

PROXON PSPG (Pouring Grade) is a two-part polysulphide sealant. When mixed in the given proportion, it forms a pourable, rubber-like material that adheres to cementitious surfaces, aluminum, glass, wood, mild steel, and other construction materials.

Why?

- Easy to use
- Cost-effective solution
- Adheres to most substrates
- Strong UV resistance
- Chemical & water resistant
- High movement flexibility

Usage

PROXON PSPG seals horizontal expansion joints in roads, culverts, bridge decks, car parks, airport runways, and floor-to-masonry separation joints, ensuring durability and protection in high-traffic and structural applications.

How to use?

- Surface Cleaning: Dry, dust-free
- Dust Removal: Wire brush, air
- Oil Cleaning: Solvent wipe
- Back-Up Material: Polyethylene, neoprene
- Priming Step: Sealant primer
- Sealant Application: Mix, pour, level

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Application

Surface preparation: Surface preparation is crucial before applying sealant. The joint surface must be dry and free from dust, coatings, oils, grease, and loose particles. Clean using a wire brush, emery paper, and compressed air. Wipe oil and grease with a solvent-soaked cloth.

Back-Up Material: Insert a compressible rod (polyethylene, polyurethane, neoprene) to control sealant depth and support tooling.

Priming: Apply sealant primer on porous substrates like concrete & wood in two coats with a 30-minute interval.

Masking Tape: Use polyethylene, cellophane, or cloth tape to protect edges, removing it after tooling.

Application: Mix hardener with resin until uniform. Pour directly into joints, allowing it to self-level for a smooth finish.

Packing

Resin (Part A): 3680 gm in a 4 Kg container.
Hardener (Part B): 320 gm in a 300 ml sachet.

Physical Properties

PROPERTY	Below 3 mm
Colour	Part A - Off white; Part B -Brown
Appearance	Paste
Mixing Ratio	Part A : Part B = 92 : 8 (by weight)
Specific Gravity (After mix)	1.50 ± 0.2 @ 30°C
Pot Life	60-120 min @ 30°C
Curing Time	7 Days (Full Cure)
Tensile Strength	> 2.5 kg/cm
Elongation	> 600 %
Shore A Hardness	> 8 to <14
Application Temperature	5°C to 45°C
Service Temperature	-20°C to +60 °C

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Formula

To calculate the weight (kg) of Proxon PSPG sealant for a joint (m), use this formula:

Weight = (Joint Length) × (Formula-Specific Calculation).

This ensures accurate sealant estimation.

$$\text{Weight in kg} = \frac{\text{SG} \times \text{W} \times \text{D} \times \text{L}}{1000}$$

where W & D are in mm and L is in metre.

SG = Specific gravity of the sealant

W = Width of joint

D = Depth of joint

L = Length of the joint

Approximately, 1 Litre of PRIMER would cover 6 to 7 Square metre of the joint area.

Shelf Life

PROXON PSPG has a 6-month shelf life if unopened and stored in a cool, dry place between 5°C and 30°C from the manufacturing date.

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