

PROXON PSGG

PROXON PSGG is a two-part polysulphide sealant forming a non-sag, rubber-like material that adheres to various construction surfaces



What

PROXON PSGG (Gun Grade) is a two-part polysulphide sealant. When mixed, it forms a non-sag, rubber-like material that adheres to cementitious substrates, aluminum, glass, wood, mild steel, and other construction surfaces.

Why?

- Easy to use
- Cost-effective
- Strong substrate adhesion
- UV & weather resistant
- Chemical & water resistant
- High flexibility

Usage

PROXON PSGG is ideal for vertical and horizontal areas, sealing expansion joints in roads, culverts, bridges, parking lots, runways, and floor-to-masonry separations. It ensures durable, reliable sealing for various infrastructure applications.

How to use?

- Ensure dry, clean surface.
- Use wire brush, sanding.
- Oil Removal: Wipe with solvent.
- Back Up: Insert compressible rod.
- Priming Process: Apply two coats.
- Application: Mix, apply, tool.

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Application

Surface preparation: is crucial before applying the sealant. The joint surface must be dry and free from dust, coatings, oils, grease, and loose particles. Clean with a wire brush and emery paper, then remove dust with compressed air or a paintbrush. Wipe oil and grease with a solvent-soaked cloth (xylene, toluene, or acetone).

Back-Up Material: Insert compressible rods like polyethylene or neoprene to control sealant depth and provide support.

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

Masking Tape: Use self-adhesive tape to protect joint edges and remove it after tooling.

Application: Mix hardener with resin, stir until uniform, and apply with a manual gun. The non-sag formula suits horizontal and vertical surfaces. Tool 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)	1.65 ± 0.1 @ 30°C
Pot Life	90-180 min @ 30°C
Curing Time	7 Days (Full Cure)
Tensile Strength	> 4 kg/cm ²
Elongation	> 450 %
Shore A Hardness	> 16 and <24
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 PSGG 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 PSGG 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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