

HIGHSEAL PU SEALANT

Single Component, High-Performance PU Sealant



PRODUCT DESCRIPTION

HIGHSEAL PU SEALANT is Single Component, high-performance sealant based on Polyurethane Technology with an excellent UV, Weather & temperature resistance. It has excellent adhesion over a wide variety of substrates & is Paintable with the most common industrial paints. This sealant has been specifically formulated as a non-staining sealant & for application to difficult substrates associated with modern facade construction.

APPLICATION

- Concrete joints like wall panel joints, expansion joints, control joints, etc.
- Window frame perimeter sealing,
- Facade systems designed with metal panels or natural stones,
- Anodized aluminum, stainless steel, coated metal,
- Epoxy and polyester panels, Glass
- Polystyrene, UPVC
- Finished wood, Porcelain

FEATURES & ADVANTAGES

- Excellent Adhesion to a wide variety of substrates
- Permanently Flexible
- Abrasion resistant, High elasticity
- Single Component, no mixing required
- Non staining, Solvent-Free

COLOUR

- White, Black, Grey, Other colors will be available on request.

METHOD APPLICATION

- Surfaces must be clean, dry and free of dirt, grease, oil or water.
- For a neat finish, apply masking tape and remove it before sealant skins over.
- Cut tip off and puncture the internal foil seal with nozzle. Cut nozzle at 45° angle to desired bead-width and apply to substrate with cartridge Gun.
- Tooling time is 30 minutes; Tack Free Time is 45 minutes.
- Uncured sealant can be cleaned up with mineral spirits.
- Use approved backing material for joints over 10mm deep.

JOINT DESIGN

- High movement joints should be designed to allow a sealant width to depth ratio of between 1.5 to 1 and 2:1. (Joints subject to traffic 1:1).
- Generally the joint width-to-depth ratio is 2:1 for joint width ≥ 12 mm, or 1:1 for joint width
- Joint width: minimum = 6 mm, maximum = 35 mm
- Joint depth: minimum = 6 mm, maximum = 12 mm

TECHNICAL DATA

PROPERTIES	RESULTS
Chemical base	Polyurethane (PU)
Colour	White/ Black/Grey
Appearance	Thixotropic Paste
Density	Approx. 1.55 g/mL
Solid Content	99.50 %
Cure Mechanism	Moisture Curing
Non-Sag Properties	Good
Application temperature	5°C to 40°C
Track free time	30 – 60 minutes
Drying time	24 Hrs.
VOC Content	< 10 g/L
Shore A-hardness	Approx. 35 - 45
Tensile Strength	Approx. 1.8 MPA
Elongation at break	>600 %
Service temperature	-30 °C to 100 °C
Shelf life (Storage below 30°C)	12 Months

PACKING

600 ML Sausages -20 Pices Box.

SHELF LIFE

- Store in a dry and cool place with temperature below 30 °C.
- From the date of production, 12 months in aluminum foil Sausage.

CAUTIONS

- Keep out of reach of children.
- Contains amino silane. May produce an allergic reaction.

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