


Jubiguard

SEAL PRO PU

MULTIPURPOSE HIGH PERFORMANCE POLYURETHANE SEALANT

JUBIGUARD SEAL PRO PU is a one-part, multipurpose, self-levelling moisture-curing Polyurethane Sealant composed of polyurethane polymer, pigments, fillers, and additives. It's highly elastic, weather-durable, non-sagging, and watertight with excellent adhesion to almost all building construction materials. This sealant is used for filling and sealing joints in buildings and structures, making it especially suitable for various interior and exterior applications.

Specifications:

Conforms to ISO 11600 F 25 HM, BS 5212:1990/Type FB, EN 14187-5.



Application Areas

- Sealing of expansion and construction joints as well as joints between different constructions materials in High-Rise Buildings, Basements, Floorings, Parking Bays, Runways, Concrete Roads etc.
- Sealing joints in between precast concrete panels.
- Sealing Joints in between Tiles, Bricks, and Marble etc.
- Sealing joints of metal container finishing.
- Repairing of non-moving concrete Cracks and control widths.
- Perimeter pointing & curtain wall ceiling.



Technical Details

Properties	Values	Test Standards
Appearance	Non-Sag Smooth Thixotropic Paste	-
Colour	Grey	
Viscosity	50000-70000 cps	ASTM D 2196
Density	1.62 ±0.05 g/ml	ASTM D 1475
Curing Method	Moisture curing	-
Touch DRY time @22°C & RH 50%	40 min	
Full cure time	For 2.5 mm, 24 hrs @25°C	-
Movement Accommodation Factor (MAF)	± 25%	
Elongation @ Break	>700 %	ASTM D 5034
Hardness Shore A	25-30	(DIN 53505)
Elastic Modulus @100%	< 1.5 N/mm ²	(DIN 52455)
Tensile Strength	1.5 N/mm ²	ASTM D 3039
Elastic recovery	> 90%	
Service temperature	5°C to 40°C	-


Pack Sizes

280 ml | 450 g



Features



Elasticity

Elastic & forms a permanent tough rubber seal.



Excellent Adhesion

Excellent adhesion to concrete, brick work, painted wood, glass, glazed surfaces, aluminum, stainless steel, steel & plastic like polyester & PVC.



Non Sag

Sag/slump thixotropic, does not sag or flow down in the joint.



Staining

No staining of cementitious substrates.



Weathering Durability

Excellent, may slightly yellow on long exposure to UV light.



Movement accommodation

Anti-sag formulation ensures precise and reliable application on vertical surfaces.



Curing

Jubiguard Seal Pro PU cures naturally with ambient air moisture, needing no external curing.



Bio-degradation

Resistant to bio-degradation, maintains hygiene.



Ready to use

Single pack, Easy to apply and smooth.



Excellent Primeless adhesion

Strong Adhesion Without Need for Primer



Method of Application

Surface Preparation



Prepare joint surfaces: Ensure they are dry, clean, and free from frost. Remove dirt, laitance, curing compounds, and loose materials. Repair spalled areas with polymer or epoxy mortar. Clean metal surfaces of rust and scale. Use a bond breaker to prevent sealant contact with the joint back; use closed-cell polyethylene foam as back-up material to adjust width-to-depth ratio and sealant application. Apply masking tape on both sides of the joint for a clean finish post-sealant application.

Application



Application temperature range: 5-40°C. For cold weather, store sealant at 20°C for 24 hours prior to use. Priming porous substrates is recommended, though adhesion is good without primers on various surfaces. Adhesion improves with primers. Cut foil, load sealant into gun, and apply firmly into joint. Tool surface for complete contact and finish. Remove masking tape after tooling.

Joint Design

For various reasons, different types of joints are provided with width-to-depth ratios in different proportions. Depending on horizontal or vertical movements, the cured sealant should retain its original shape after the expansion or contraction deformation. Therefore, the width-to-depth ratio is very important.

WIDTH: DEPTH RATIO JOINT WIDTH (MM)	WIDTH: DEPTH RATIO
For 6 to 12 mm joint width	Depth shall be 1:1 (equal)
For 12 to 30 mm joint width	Depth shall be 2:1 (half)

Remark

- For optimum performance the ratio of width to depth of the sealant should be 2:1.
- Not recommended for unsound substrates.
- It is recommended to test the specific paint compatibility.
- Jubilant will not accept responsibility or liability for variations to the above method statement under any other specific condition.



Coverage

Typically, one 600 ml sausage

- Will cover 5 mm width x 5 mm depth joint = 24 linear metre
- 10 mm width x 10 mm depth joint = 6 linear metre.

SEALANT

$$L = \frac{\text{Vol of sealant in ml}}{W \text{ in mm} \times D \text{ in MM}}$$

Wastage is not considered

Where, L = Length of the joint in linear meter,
W = width of the joint in mm
D = depth of the joint in mm



Shelf life



Best before 12 months

in sealed pack under proper storage.

- Failure to comply with the recommended storage conditioning may result in premature deterioration of the product or packaging.



Precautions & Limitations

- Do not apply when building material or air temperature is below 40°F. JUBIGUARD SEAL PRO PU is not recommended for continuous water, high movement joints or vehicular or foot traffic.



Health & Safety

- Direct contact of uncured sealant irritates eyes and may irritate skin. Overexposure to vapour may irritate eyes, nose and throat. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hands. In case of eye contact, flush eyes with water for 15 minutes. Obtain medical attention. In case of skin contact, remove from skin and flush with water. Keep out of reach of children. For safe handling information on this product, consult the safety data sheet.

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For Feedback/complaints, write to Product Manager, CPD, Jubilant Agri and Consumer Products Limited

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