



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:

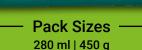
Conforms to ISO 11600 F 25 HM, BS 5212:1990/Type FB, EN 14187-5.

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 Accommo- dation 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	-





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.



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

Non Sag



Staining No staining of cementitious substrates.



Ready to use

Movement

accommodation

Anti-sag formulation

ensures precise and

vertical surfaces.

Curing

curing.

reliable application on

Jubiguard Seal Pro PU

cures naturally with

needing no external

ambient air moisture,

Single pack, Easy to apply and smooth.

adhesion

Need for Primer

Excellent Primeless

Strong Adhesion Without



Weathering Durability

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



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.
- TO mm width X TO mm depth joint = 6 linear me

SEALANT

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

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

control and, therefore, entirely your own responsibility

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.



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 postsealant 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-todepth 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.



 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 ad-equate 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.

Version No. VN01/04/2024. Please note that this datasheet supersedes all previous versions

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