

## Weberseal PU

General-purpose sealant for sealing joints

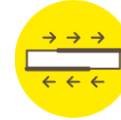
**Weberseal PU** is a one-part polyurethane-based sealant that cures to form an elastomeric mastic when exposed to atmospheric moisture. It exhibits excellent adhesion to cement-based materials, brick ceramics, polyurethane, epoxy, most polyesters, and metals.



### PRODUCT BENEFITS



POLYURETHANE  
BASED



SEALING FOR  
SEALANTS



WEATHERING  
RESISTANCE

### USES

Weberseal PU is used for bonding and sealing joints between various construction materials, providing high or medium bond strength. It is commonly used for seam sealing, as well as sealing pipe ducts and ventilation systems. Additionally, it has multiple applications in metal and wood construction projects.

### ADVANTAGES

- Can be painted and polished
- Excellent adhesion
- DOP free, non-staining
- Excellent mechanical strength

### TECHNICAL DATA & PHYSICAL PROPERTIES

<b>Base</b>	Polyurethane
<b>Colour</b>	White, Grey, Black
<b>Density</b>	1.40 g/cm <sup>3</sup>
<b>Tack Free Time</b> (ASTM D2377: 2000)	Approx. 55 minutes
<b>Sagging</b> (ISO 7390: 1987)	None
<b>Solid Content</b>	97.5%
<b>Shore A Hardness</b> (ISO 7619-1: 2004)	25
<b>Curing Depth</b>	4 mm in 24 days 8 mm in 7 days
<b>Tensile Strength</b> (ISO 37: 2005)	0.72 MPa
<b>Elongation at Break</b> (ISO 37: 2005)	991 %

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

### PRECAUTION

Avoid exposure to high levels of chlorine. Do not cure Weberseal PU in the presence of curing silicone sealant. It will not adhere to certain plastics such as polyethylene, polypropylene, and teflon. Avoid applying outdoors if rain is expected within 2 hours.

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### PROCEDURE & APPLICATION



#### Surface Preparation

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. If metal surfaces are rubbed down, it should be re-cleaned. Complete concrete drying shrinkage before sealing. For deep joints, install the backing rod to avoid three-point adhesion and maintain proper joint width to depth ratio. Use masking tape seam beside the joint to protect from excessive sealant.



#### Application

- **Cartridge:** Cut the end off the threaded stub on the cartridge, screw on the nozzle, and cut the nozzle to the desired bead size at a 45° angle.
- **Sausage:** Cut the wire clamped end of the sausage and fit with the open end towards the nozzle into a fully enclosed barrel gun.

Extrude the sealant firmly into the joint to ensure complete contact with joint faces. Masking tape is then removed immediately within 10-15 minutes after application. Remove any uncured material using a suitable solvent or an approved sealant remover.



#### Design Criteria

The joint width must be designed to be within the movement capability of the sealant. In general, the joint width must be between 10-35 mm. The width to depth ratio of 2:1. For wall and floor joints, the width to depth ratio is 1:1.

### CONSUMPTION

Joint Width (mm)	10	15	20	25	30
Joint Depth (mm)	8	8	10	12	15
Joint Length (600 ml)	~ 7.5 / m	~ 4.5 m	~ 2.5 m	~ 1.6 m	~ 1.3 m
Joint Distance (m)	2	2 - 3.5	3.5 - 5	5 - 6.5	6.5 - 8
Design Joint Width (mm)	15	20	25	30	35
Min. Joint Width (mm)	10	15	20	25	30

\* Backing: If necessary, use extruded polyethylene foam backing rods with closed cell.

### CLEANING

Clean the tools and equipment immediately after use with clean water. Hardened material can be removed mechanically.

### STORAGE & PACKING

Weberseal PU is available in 600 ml packages. Shelf life of 12 months if unopened and kept in cool and dry conditions at temperatures between 5°C to 27°C, and humidity of 30% to 70%.

\*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Jun '23)



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