

One component polyurethane sealant

PRODUCT

weber jointseal PU is reliable low modulus polyurethane based elastomeric sealant, allowing a high degree of elongation. It cures under the effect of atmospheric humidity to form a flexible and resistant joint with very good adhesion on most materials. After stretching, it recovers its performances and its resistance to climatic ageing, rain, snow, salt haze, ozone, ultra violet rays and atmospheric corrosion. It can be later painted after full curing: a preliminary test is recommended.

The **weber jointseal PU** sealant conforms to the requirements of ASTM C 920, "Standard Specification for Elastomeric Joint Sealants", Type S, Grade NS, Class 25, Use NT and M. weber jointseal PU doesn't stain the marble or granite stone (tests according to Standard ASTM C 1248-93).

SCOPE OF USE

weber jointseal PU is used:

- For waterproofing of masonry joints.
- In expansion joints in concrete structures.
- As joint sealant between heavy and light prefabricated concrete elements.
- As a joint sealant in metal structures, in cladding, in door and window frames (metal, wood, aluminum, PVC).
- As a sealant for cracks.
- As a sealant in glass blocks.
- For bonding baked clay and concrete roof tiles.
- In the joint between the precast panels.

weber jointseal PU has a good adhesion without primer on current materials : concrete, mortar, wood, most lacquered metals, polyester, glass, Rigid PVC, stone, ceramic tiles... For difficult materials (Aluminium, EPDM ,...) it is necessary to make tests beforehand. **weber jointseal PU** should not be affected by the gas produced by sewage.

CHARACTERISTICS

Appearance	Pasty Polyurethane elastomer
Colors available (available upon request)	White, grey, beige, brown, black
Density at 20 °C	Black : 1.15 ± 0.05 ; others : 1.17 ± 0.05
Conventional solids content (EN 827)	> 93%
Sagging (ISO 7390)	None
Application temperature	+5°C to 40 °C
Skin formation time at 23 °C and 50 % HR	90 to 150 min
Cure time at 23 °C and 50 % HR	3 mm/24 h



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
600 mL	600 mL	600 mL	600 mL	600 mL	600 mL	600 mL	600 mL

Shore A hardness (internal method IT-20 after ISO 868 - 3 seconds)	Approx. 25
Modulus at 100 % (ISO 8339) and (ISO 37)	Approx. 0.3 MPa
Modulus at break (ISO 37)	Approx. 1.5 MPa
Elongation at break (ISO 8339)	> 500 %
Elongation at break (ISO 37)	> 600 %
Tear strength (DIN 53515)	Approx. 6.5 N/mm
Temperature resistance	- 40°C to + 90 °C
UV resistance	Good
Water and salt spray resistance	Excellent
Elastic recovery (ISO 11600)	>85%
Movement accommodation factor (MAF)	±25%
Compatibility with paints	Water based: yes Solvent based : carry out tests before hand

CHEMICAL RESISTANCE TABLE

Acids	
10 % acetic acid	+
25 % acetic acid	-
10 % hydrochloric acid (pH 3)	+
25% hydrochloric acid	-
10 % sulfuric acid	+
25 % sulfuric acid	+

10 % nitric acid	-
Bases	
10 % soda (pH 8)	+
25 % soda	-
10 % potassium chlorate	+
25 % potassium chlorate	-
Oil and solvents	
Engine oil	+ +
Methanol	-
Formol	-
Ethanol	-
Glycol	+ +
Acetone	-
MEK	-
Ethyl acetate	-
Toluene	-
Xylene	-
Chloric solvents	-
Aliphatic solvents	+
Petrol	-
Miscellaneous	
Water	+ +
Sea water	+ +
Brine	-

Good resistance: ++

Moderate resistance: +

Poor resistance: -

APPLICABLE STANDARDS

Meets SNJF label 1st category from the "Syndicat Français Des Joints et Façades", ASTM C 920.

Meets SNJF standard (class 25 E)

Meets class 25 LM construction sealant (type F) according to ISO 11600 standard

Doesn't stain the marble or granite stone (tests according to Standard ASTM C 1248-93)

Not classified as hazardous

INSTRUCTIONS FOR USE

SURFACE PREPARATION

All surfaces should be clean, dry, free from grease, oil or dust and any contaminants that could harm bonding. Remove old sealant residue completely before applying new sealant. We recommend cleaning concrete with a metal brush.

Check the compatibility of the solvent used with the substrates.

When using solvents, extinguish all sources of ignition and carefully follow the safety and handling instructions given by us.

If necessary, rub down metal surfaces beforehand.

After rubbing down, the surface should be re-cleaned.

Allow the substrate to dry after degreasing.

For a cleaner job, protect the edges of the joint with self adhesive masking tape.

If required place a backer rod inside the gap to be filled for correcting the depth.

PRODUCT APPLICATION

weber jointseal PU can be applied by a manual or pneumatic gun.

After application, use a putty knife to smooth the joint (before skin formation) with soapy water.

This product should be used within 24 hours of opening the sausage; otherwise, the sealant could harden inside.

Do not apply at a temperature under +5 °C. In cold weather, store the packaging at about +20 °C before use.

Avoid any contact with non-cured MS, hybrid PU or silicone sealants as well as with alcohols or ammonia during curing.

In case of problem, contact company for advice.

STORAGE

12 months from manufacturing date, stored in a dry and cool rooms in their sealed and original sausages. Protect the material against moisture and direct sunlight. Storage temperature: +5°C / +25°C.

SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please

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