

One-component polyurethane sealant and adhesive

PRODUCT

weber jointseal PU MC is a reliable high modulus polyurethane based elastomeric sealant suitable for jointing and high performance bonding.

It cures under the effect of atmospheric humidity to form a flexible and resistant joint that has a good resistance to tear and to weather.

After stretching, it recovers its performances.

weber jointseal PU MC is suitable for bonding various construction materials and as sealing joint. It is also easily over painted.

The **weber jointseal PU MC** sealant conforms to the requirements of ASTM C 920, "Standard Specification for Elastomeric Joint Sealants", Type S, Grade NS, Class 25, Use T and NT-Type A & M.

SCOPE OF USE

weber jointseal PU MC is used for applications such as:

- Flexible bonding for decorative claddings
- Flexible bonding for clay tiles on roof
- Jointing between cladding elements, ceramic tiles...
- Joint sealant in metal structures, in cladding, indoor and window frames (metal, wood, aluminium, PVC)
- Joint sealant in facade elements for interior and exterior applications
- Joint sealant in pedestrian walks for interior and exterior applications
- joint sealant between the precast panels.

weber jointseal PU MC 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.

CHARACTERISTICS

Appearance	Pasty Polyurethane elastomer
Colors available	White, grey, beige, brown, black
Density at 20 °C	Black : 0.02 ± 1.15 ; others : 0.02 ± 1.16
Sagging (ISO 7390)	None
Application temperature	°5-C to 40 °C
Skin formation time at 23 °C and 50 % HR	Ca. 70 min
Cure time at 23 °C and 50 % HR	3 mm/24 h
Shore A hardness (internal method IT20- after ISO 3 - 868 seconds)	Ca. 40



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
280 ml	280 ml	280 ml	280 ml	280 ml	280 ml	280 ml	280 ml
600 ml	600 ml	600 ml	600 ml	600 ml	600 ml	600 ml	600 ml

Modulus at 100 % (ISO 8339)	Ca. 0.4 MPa
Modulus at 100 % (ISO 37)	Ca. 0.3 MPa
Modulus at break (ISO 37)	Ca. 1.4 MPa
Elongation at break (ISO 8339)	> 500 %
Elongation at break (ISO 37)	> 600 %
Tear strength (ISO 34)	Approx. 10 N/mm
Temperature resistance	- 40C to + 80 °C
UV resistance	Good
Water and salt spray resistance	Excellent
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

Classification according to ASTM C-920 standard:

Class 25, type S, grade NS, uses TI, NT, A and M.

Classification according to ISO 11600 standard: F 25 LM Meets SNJF standard (class 25 E)

Classification according to European Standard EN 15651-1 (F EXT-INT CC) and EN 15651- 4 (PW EXT-INT CC) [Usable in cold climate].

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.

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.

We recommend cleaning concrete with a metal brush.

PRODUCT PREPARATION

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

After application, use a putty knife to smooth the joint 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 contact the company's office in your location.

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