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 Seals”, 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.

CHARACTERISTICS

Appearance
Pasty Polyurethane elastomer

Colors available (available upon request)
White, grey, beige, brown, black

Density at 20 °C
Black: 115 ± 0.05 ; others: 117 ± 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

Compatibility with paints
Water based yes
Solvent based : carry out tests before hand

CHEMICAL RESISTANCE TABLE

<table>
<thead>
<tr>
<th>Acids</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 % acetic acid</td>
</tr>
<tr>
<td>25 % acetic acid</td>
</tr>
<tr>
<td>10 % hydrochloric acid (pH 3)</td>
</tr>
<tr>
<td>25% hydrochloric acid</td>
</tr>
<tr>
<td>10 % sulfuric acid</td>
</tr>
<tr>
<td>25 % sulfuric acid</td>
</tr>
</tbody>
</table>

PACKAGING

<table>
<thead>
<tr>
<th>Leb</th>
<th>Syria</th>
<th>Jordan</th>
<th>UAE</th>
<th>Qatar</th>
<th>Kuwait</th>
<th>KSA</th>
<th>Oman</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 ml</td>
<td>600 ml</td>
<td>600 ml</td>
<td>600 ml</td>
<td>600 ml</td>
<td>600 ml</td>
<td>600 ml</td>
<td>600 ml</td>
</tr>
</tbody>
</table>

Formerly “Jointseal.PU”
10 % nitric acid -
Bases
10 % soda (pH 8) +
25 % soda -
10 % potassium chlorate +
25 % potassium chlorate -
Oil and solvents
Engine oil + +
Methanol -
Formal -
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 SNF label 1st category from the “Syndicat Français Des Joints et Façades”, ASTM C 920.
Meets SNF 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 contact the company’s office in your location.
**CHARACTERISTICS**

- **Density at 20 °C**
  - Black: 1.15 ± 0.05
  - Brown, black, colors available

**SCOPE OF USE**

- In the joint between the precast panels.
- As a sealant in glass blocks.
- As a sealant for cracks.
- As a joint sealant in metal structures, in cladding, in door joints/overseal PU is used:
- According to Standard ASTM C 1248-93).
- The 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 EN 827).
- Meets SNJF standard (class 25 E).
- Meets class 25 LM construction sealant (type F) according to Standard EN 1508.
- Good resistance: ++
- Does not stain marble or granite stone.
- Polyurethane-based elastomeric sealant, allowing a high degree of elongation. It cures under the effect of atmospheric humidity for a reliable low modulus polyurethane joint sealant with very good adhesion.

**CHEMICAL RESISTANCE TABLE**

<table>
<thead>
<tr>
<th>Material</th>
<th>Reaction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brine</td>
<td>+ +</td>
</tr>
<tr>
<td>Sea water</td>
<td>+ +</td>
</tr>
<tr>
<td>Water</td>
<td>+ +</td>
</tr>
<tr>
<td>Misc</td>
<td></td>
</tr>
<tr>
<td>Petrol</td>
<td>-</td>
</tr>
<tr>
<td>Aliphatic solvents</td>
<td>+</td>
</tr>
<tr>
<td>Chloric solvents</td>
<td>-</td>
</tr>
<tr>
<td>Toluene</td>
<td>-</td>
</tr>
<tr>
<td>Ethyl acetate</td>
<td>-</td>
</tr>
<tr>
<td>Acetone</td>
<td>-</td>
</tr>
<tr>
<td>Glycol</td>
<td>+ +</td>
</tr>
<tr>
<td>Engine oil</td>
<td>+ +</td>
</tr>
<tr>
<td>Alcohols</td>
<td></td>
</tr>
<tr>
<td>Ammonia</td>
<td></td>
</tr>
<tr>
<td>25 % sulfuric acid</td>
<td>-</td>
</tr>
<tr>
<td>10 % sulfuric acid</td>
<td>+</td>
</tr>
<tr>
<td>10 % soda (pH 8)</td>
<td>+</td>
</tr>
<tr>
<td>25 % potassium chlorate</td>
<td>-</td>
</tr>
<tr>
<td>10 % potassium chlorate</td>
<td>+</td>
</tr>
<tr>
<td>12 months from manufacturing date, stored in a dry and cool room</td>
<td></td>
</tr>
</tbody>
</table>

**INSTRUCTIONS FOR USE**

- For difficult materials (Aluminium, EPDM,…) it is necessary to make tests beforehand.
- For current materials: concrete, mortar, wood, most lacquered surfaces.
- It has good adhesion without primer on most substrates.
- In case of problem, contact company for advice.

**SAFETY PRECAUTIONS**

- When using solvents, extinguish all sources of ignition and observe all safety instructions. When using aliphatic solvents, wear protective clothing.
- Old sealant residue must be removed completely before applying new sealant.
- All surfaces should be clean, dry, free from grease, oil or contaminants.
- After rubbing down, the surface should be re-cleaned.
- If necessary, rub down metal surfaces beforehand.
- For a cleaner job, protect the edges of the joint with self-adhesive tape or other suitable protective material against moisture and direct sunlight.
- Application should be done in a ventilated area away from heat sources.
- This product should be used within 24 hours of opening the tube.
- Use thoroughly mixed material.
- Do not apply at a temperature under +5 °C. In cold weather, correct the depth.
- For a cleaner job, protect the edges of the joint with self-adhesive tape or other suitable protective material.
- Use a putty knife after the sealant has completely cured to smooth the joint and make corrections.
- While the company guarantees its products against defective material against moisture and direct sunlight. Storage inside the original container is recommended for 12 months from manufacturing date, stored in a dry and cool room.

**NOTE**

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