



INSUWRAP **INSURSEAL PU SEALANT**

Fast Curing, Low modulus, One Component Polyurethane Sealant

Product Description

INSURSEAL PU is a high performance one-component, low modulus, moisture curing polyurethane sealant. Does not require a primer on most construction materials, and exhibits tenacious adhesion once fully cured.

Uses

- Expansion & control joints
- Precast concrete panel joints
- Perimeter caulking (window, door, panels)
- EIFS
- Aluminum
- Masonry
- Vinyl Siding
- Water tanks
- Parapets
- Tilt wall joints
- Curtain wall construction

Advantages

- Fast skinning time and a track free time to significantly reduce dirt-pick.
- Exceptional movement capability of 25% will not crack or craze under UV exposure
- One component sealant quick, easy to apply that offers excellent performance in moving joints and exhibits tenacious adhesion once fully cured.

Application Instructions

1. Surface Preparation

For good adhesion, the joint interface must be sound, clean and dry depending on the substrate, or presence of any release agents, masonry or laitance, architectural paints or finishes, the joint surface may require a thorough wire brushing, washing and/or primer.

2. Joint design

INSURSEAL PU may be used in any vertical or horizontal joint designed in accordance with accepted architectural/engineering practices. Joint width should be 4 times anticipated movement, but not less than (6.4 mm).

3. Joint backing

Closed cell or reticulated polyethylene backer rod is recommended as joint backing to control sealant depth and to ensure intimate contact of sealant with joint walls when tooling. Where depth of joint will prevent the use of backer rod, and adhesive backed polyethylene tape (bond breaker tape) should be used to prevent three-sided adhesion. All backing should be dry at time of sealant application.

4. Expansion joints

The minimum width and depth of any sealant application should be 6 mm by 6 mm.

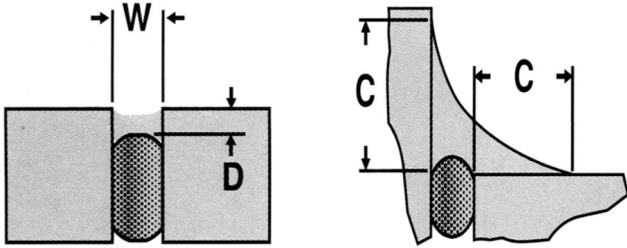
a. The depth of sealant may be equal to the width of joints that are less than 12.7 mm wide. For joints ranging from 13 mm to 25 mm wide, the sealant depth should be

approximately one-half of the joint width.

b. The maximum depth of any sealant application 13 mm.

Expansion joints

W= Sealant width, D= Sealant depth, C=Contact area



5. Window perimeters

For fillet beads, or angle beads around windows and doors, the sealant should exhibit a minimum surface contact area of 6.4 mm onto each substrate.

6. Application

Easy to use with conventional caulking equipment. Fill joint completely with a proper width-to-depth ration and tool.

7. Cleaning of tools

Tooling is recommended immediately after application to insure firm, intimate contact with the joint interface. Dry tooling is preferred although tooling agents can be utilized. Excess sealant and smears adjacent to the joint should be removed before sealant cures.

Technical Data

Test	Typical values
Rheological Properties (ASTM C 639)	Non-sag (NS) 0 of sagin channel
Extrusion Rate (ASTM C 1183)	10
Hardness Properties	25
Weight loss	pass (<2%)
Stain and Color Change (ASTM C 510)	Non
<i>Adhesion-in-Peel (ASTM C 794):</i> Not less than 5 pli (22 N)	Aluminum 20-25 pli / Concrete 18-22 pli
Less than 25% Bond Loss	No adhesion loss
Effects of Accelerated Weathering	Pass
Movement Capability	+25%

Standards Compliance

- ASTM C 920 Type S, Grade NS, Class 25, Use T1, NT, A and M
- U.S. Federal Specification TT-S-00230C, Class A, Type II
- ISO 11600, F 25 LM

Colors

- Standart colors: Grey & Beige.

Packaging & Storage

600 ml sausages (20 sausages/carton)

Coverage

No. of sausage = Joint width (mm) x joint depth (mm) x joint length (linear meter) / 1000 x 0.6

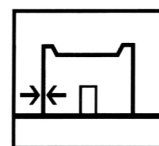
Shelf Life

An original sealed sausage of Insurseal PU has a shelf life of 12 months, provided it is stored in a tightly closed contains, and in sheltered and dry place.

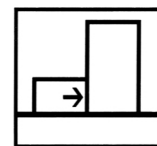
Health & Safety

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

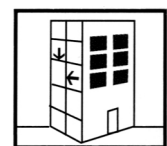
- Inhalation: Inhalation of vapor or mist should be avoided. Symptoms include coughing, wheezing, laryngitis and shortness of breath, headache, nausea and vomiting. Immediately shift victim to fresh air and if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.
- Eye Contact: Flush eyes with water for 15 minutes and call for medical help.
- Ingestion: Causes nausea, vomiting and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.
- Skin contact: Flush with water or soap and water until all traces have been removed. Seek medical attention if required.



Interior & exterior



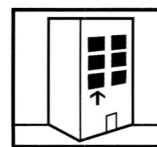
Expansion joints



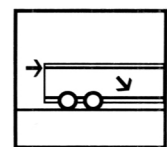
Precast concrete



Perimeter caulking



Windows perimeter



Panel joints