

PU-310

Eco-friendly Self-leveling Joint Sealant

Premium Quality & Ultimate Service

One component polyurethane elastic joint material PU-310

■ Technical Data Table

PROPERTY	STANDARD/UNITS	VALUE
Color/state	Visual inspection	Grey Uniform Sticky Liquid
Tack Free Time	Hr	3
Adhesion Elongation	%	666
Hardness	Shore A	10
Resilience Rate	%	118
Curing Speed	mm/24h	3 ~ 5
Elongation at Break	%	≥1000
Solid Content	%	99.5
Operation Temperature	°C	5~35
Service Temperature	°C	-40~+80 °C
Shelf life	month	9

Note: All data above were tested under special condition (7 days after full cured).

■ Product Description

PU-310 is one component polyurethane with excellent elastic joint material.

■ Key Features

- 1.Odorless, Eco-friendly, No Harm to the Builder
- 2.Excellent Waterproof, Best Sealing, Bright Color
- 3.Resistant to Oil, Acid, Alkali ,Puncture, Chemical Corrosion
- 4.Single Component, Self-leveling, Easy to Use, Convenient Operation
- 5.800+ Elongation, Super-bonding without Crack Resistance to Tear, Puncture, Abrasion

■ Typical Applications

- 1.Bonding and sealing for the gap of joints of road, airport runway, square, wall pipe, wharf, roof, underground garage and basement.
2. Sealing for leakage of oil refinery and chemical plant.
3. Bonding and sealing for industrial floor, such as epoxy floor and all kinds of paint surface.
4. Excellent bonding, sealing and repairing of various kinds of materials, such as concrete building, wood, metal, PVC, ceramics, carbon fiber, glass, etc.

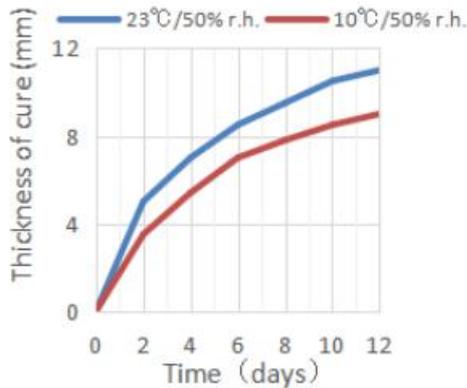
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■ Curing Degree Graph

● PU-310 cures by reaction with atmospheric moisture. The curing speed lower at lower humidity or lower temperature.



■ Chemical Resistance

- PU-310 is excellent resistant to fresh water, saltwater, sewage water and acids.
- Temporarily resistant to fuels, mineral oils, vegetable and animal fats and oils.
- Not resistant to organic acids and caustic solutions or solvents.
- The above information is offered for general guidance only. For more professional questions, please consult MAXTECH service.

■ Packing Specification

- Bag 500ml
 - Sausage 600ml
 - Pail/Drum 20kg/drum, 230kg/drum
- 20pcs per box
20kg pail, 36 pails per pallet

■ Directions for Use

- Cleaning: The substrate surface must be solid, dry and be clean. Such as no dust, grease, asphalt, tar, paint, wax, rust, water repellent, curing agent, isolating agent and film. Surface cleaning can be dealt with by removing, cutting, grinding, cleaning, blowing, and so on.
- Operation: Put the sealant into the operating tool, then injecting it into the gap.
- Reservation gap: The construction joint will expand as the temperature change, so the surface of the sealant should be lower than 2mm of the pavement after construction.
- About maintenance time: At the standard state, the maintenance time is about 5 hours. It depends on the actual construction conditions. The standard state is that the temperature is $23 \pm 2^\circ\text{C}$, and the humidity is $55 \pm 5\% \text{RH}$.
- Operation Methods: Because the packing is different, the construction methods and tools are slightly different. The specific construction method.

■ Attention of operation

- Don't mix alcohol into the product, it will cause the product invalid. The tools with the alcohol can't be used before cleaning well.
- Avoid contact with eyes and skin. If contact with your skin, scrub first with soap water or alcohol, then rinse with water. If contact with your eyes, rinse with plenty of water, and seek medical treatment immediately.
- It is forbidden to build on the surface of the wet substrate.
- Transportation: Avoid damp, high temperature, isolation and rain, far away from heat, handle with care and prohibit extrusion collision.
- Tools Cleaning: It can be soaked in toluene or

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xylene. It is strictly forbidden to immerse in alcohol and other alcohol solvents. If it is not used for a long time, it should be cleaned immediately with alcohol or other organic solvents. The cured glue can only be scraped or torn off.

■ Transport & Storage

- Transport: Keep the sealed product away from moisture, the sun, high temperature and avoid collisions.
- Storage: Keep the sealed product into cool, dry place.
- Storage temperature: 5~25°C. Humidity: ≤50%RH.
- Cartridge and Sausage :9 month. Pail/Drum:6 month.

Notice: If the temperature is higher than 40 °C or the humidity is more than 80%RH, the shelf life may be shorter.

■ Safety Operation Data

MSDS isn't included here. Please read TDS, MSDS and label carefully before operation. You can get MSDS from MAXTECH or other distributors, or mail to service center maxtech@shmaxtech.com

■ Warranty and Liability

All product properties and application details based on information believe to be reliable and accurate. But you still need to test its property and safety before application. The advice we supply don't apply in any circumstances. MAXTECH don't make assurance of any other applications outside the specification until MAXTECH supply a special written guarantee. MAXTECH is only responsible to replace or refund if this product is defective within the warranty period stated above. MAXTECH makes it clear that will not be liable of any accidents.

Special Notes: All recommendations concerning our products, including transportation, storage, and handling are based on our current knowledge and experience under normal conditions. In practical application, results may differ because of materials and actual site conditions change, our company won't guarantee or bear any legal responsibility. In order to ensure the bonding effect and the compatibility of products and materials, it is recommended to do the compatibility test or consult MAXTECH Technical Services before proceeding with the full application.