

Polyurethane Sheet Metal Sealant

PU1812

Technical Data Table

PROPERTY	VALUE
Chemical base	1-C polyurethane
Colour (Appearance)	White/Gray
Cure mechanism	Moisture curing
Density (g/cm ³) (GB/T 13477.2)	1.30±0.05g/cm ³ approx.
Non-sag properties(GB/T 13477.6)	Very good
Application temperature	5°C to 35°C
Tack-free time ¹ (GB/T 13477.5)	20-60 min approx.
Open time ¹	40 min approx.
Curing speed (HG/T 4363)	2~4mm/day
Shore A hardness (GB/T 531.1)	45±5 approx.
Tensile strength (GB/T 528)	1.5 N/mm ² approx.
Elongation at break (GB/T 528)	430% approx
Extrudability (ml/min)	>100ml/min
Volatile content	<5%
Service temperature	-40°C to 90°C
Shelf life (storage below 25°C) (CQP 016-1)	9 months

Description

●PU1812 is one component moisture curing polyurethane adhesive for all kinds of sheet metal bonding and sealing.

Key Features

- Primerless
- Excellent thixotropy, non-sag properties
- Excellent adhesion and wear-resisting property
- Cold application
- One-component formulation
- Excellent extrudability, easy for raked joint operation
- No oil permeated
- Paintable and polishable

PU1812

SHEET METAL SEALANT

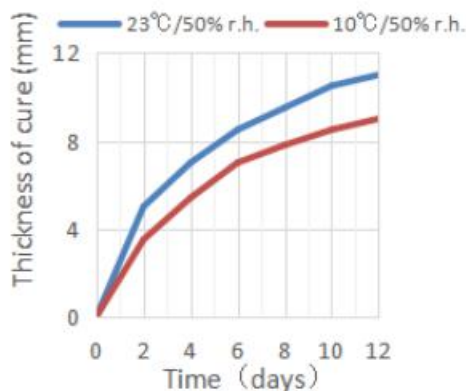
Premium Quality & Ultimate Service

Areas of Application

- Mainly used for welding seam and sealing of automobile, railway passenger cars, ships, cold storage container, van body of refitted vehicle, etc.
- Waterproof, dustproof sealing of refrigerated container, construction and pipe.
- For vehicle sheet metal repairing, aluminum gusset and bodywork sealing.

Curing DegreeGraph

- PU1812 cures by reaction with atmospheric moisture. The curing speed lower at lower humidity or lower temperature.



Chemical Resistance

- PU1812 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

- Cartridge 310ml
 - Sausage 400ml
 - Sausage 600ml
 - Pail/Drum 240kg
- 20pcs per box , 2 boxes per Carton.

Direction for use

Tool: Manual or pneumatic plunger caulking gun

- Cleaning: Clean and dry all surfaces by removing foreign matter and contaminants such as oil dust, grease, frost, water, dirt, old sealants and any protective coating.

- For cartridge

1. Cut nozzle to give the required angle and bead size
2. Pierce the membrane at the top of the cartridge and screw on the nozzle
3. Place the cartridge in an applicator gun and squeeze the trigger with equal strength

- For sausage

1. Clip the end of the sausage and place in barrel gun
2. Screw end cap and nozzle on to barrel gun
3. Using the trigger extrude the sealant with equal strength

Cautions

- Keep away from children.
- Avoid contacting with skin and eyes. For skin contact, remove the sealant by cloth, wash skin thoroughly with soap and water. For eye contact, hold eyelids apart and flush thoroughly with water, contact physician.

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I 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.

I 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

I 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.