



Technical Data Sheet

PU METAL SEALANT(AUTOMOTIVE & CONSTRUCTION)

DESCRIPTION

PU METAL SEALANT is a one-component, high-modulus polyurethane sealant that cures on exposure to atmospheric humidity. It possesses excellent adhesion to sheet iron, aluminum, stainless steel, lead, copper, ceramic, glass, wood and various plastic materials.

PROPERTIES

- Permanently flexible.
- Non-sticky/does not pick up dirt.
- Excellent thixotropy, easy for application.
- Excellent sealing performance with metal, glass and a wide range of paints.
- Excellent sealing and cohesion performance, durable in sealing.

APPLICATIONS

- Body construction of cars, containers, caravans etc.
- Sealing and bonding of ventilation ducts, gutters and spouts etc.
- Sealing of sheet metal seams.
- For vibration reduction in all type of sheet metal assembly works, Sealing against water, air, gas and dust.

TECHNICAL DATA

Items:	Test Std	Requirement	Typical value
Appearance	/	Black, White, Grey, Beige homogeneous paste	/
Density	GB/T 13477.2	1.55±0.1	1.5
Extrudability(ml/min)	GB/T 13477.4	≥200	300
Sagging properties (mm)	GB/T 13477.6	≤0.5	0
Tack free time (min)	GB/T 13477.5	30~60	35
Curing speed (mm/d)	HG/T 4363	≥3.0	4.0
Non-volatile contents (%)	GB/T 2793	≥95	95
Shore A-hardness	GB/T 531.1	45~50	48
Tensile strength(MPa)	GB/T 528	≥1.5	2.1
Elongation at break(%)	GB/T 528	≥350	380
Operating temperature(°C)	/	-40~90	

Notes: All data above were tested under standardized condition at 23℃、50%RH.

DIRECTIONS FOR USE

- Remove dust, oil and water from the surface of substrates.
- Application environment temperature 5~35°C, humidity 50~70%RH. When the temperature below 5°C, recommended place products in the environment of 30~40°C for 1H (No more than 3H).
- For Construction method, please refer to PUSTAR construction description or consult technical personnel.
- Part of the available nodes modification can use scraper or rigid foam, detailing modification can use available soap and water level.
- Activator and primer are not required.

PACKAGING

Cartridge 410G; 280ML

TRANSPORT AND STORAGE

- Transport: Keep away the sealed product from moisture, the sun, high temperature and avoid collisions.
- Storage: Keep sealed into cool, dry place. Temperature: 5~25°C. Humidity: ≤50%RH.
- Shelf life: 12 months

SAFETY

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

DISCLAIMER

All recommendations concerning our products, including transportation, storage, and handing 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 do any guarantee and 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 our company's Technical Services before proceeding with the full application.