

PU-110

Eco-friendly Waterproof Coating

Premium Quality & Ultimate Service

Polyurethane elastic waterproof material PU-110

■ Technical Data Table

PROPERTY	STANDARD/UNITS	VALUE
Color/state	Visual inspection	Black,White,Blue,Grey
Density	(g/cm ³)	1.35±0.1
Tack Free Time	Hr	8
Tensile Strength	Mpa	>2
Hardness	Shore A	20
Flow ability	mm	Self-leveling
Curing Speed	mm/24h	3 ~ 5
Elongation at Break	%	≥800
Solid Content	%	95
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-110 is One component polyurethane with excellent elastic waterproof material.

■ Key Features

- Odorless, Eco-friendly, No Harm to the Builder;
- Excellent Waterproof, Best Sealing, Bright Color;
- Resistant to Oil, Acid, Alkali ,Puncture, Chemical Corrosion;
- Single Component, Self-leveling, Easy to Use, Convenient Operation;
- 800%+ Elongation, Super-bonding without Crack;
- Resistance to Tear, Shifting, Settlement Joint.

■ Typical Applications

- Waterproofing and moisture proofing for kitchen, bathroom, balcony, roof and so on;
- Anti-seepage of reservoir, water tower, water tank, swimming pool, bath,fountain pool, sewage treatment pool and drainage irrigation channel;
- Leak-proofing and anti-corrosion for ventilated basement, underground tunnel, deep well and underground pipe and so on;
- Bonding and moisture proofing of all kinds of tiles, marble, wood, asbestos and so on;

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■ Chemical Resistance

- PU-110 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

- Pail/Drum 20kg/drum, 230kg/drum
20pcs per box
20kg pail, 36 pails per pallet

■ Directions for Use

Preparation for Operation:

- Tools : The serrated plastic board, brush, plastic barrels, 30Kg electronics, rubber gloves and cleaning tools like blade .etc
- Environmental requirements: The temperature is 5~35 C and the humidity is 35 ~ 85%RH
- 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.
- If there are cracks on the substrate surface, first step is to fill them, and the surface should be leveled. Operation after the sealant curing more than 3mm.
- Theoretical dosage: 1.0mm thick, 1.3 Kg /m² coating needed.

Operation:

- First Step
Brushing the part like corner, tubes root, then symmetrical scraping. The thickness of the coating is generally 0.5mm. (Avoid bubble). When operation, It should be considered about the size, shape and environment of the construction area.
- Second Step
Symmetrical scraping when the coating is completely solidified (about 12 hours later). The thickness of the coating should be 0.7mm, and the direction of smearing should be perpendicular to the first time. The specific operation is the same as the first step.
- Third Step
Symmetrical scraping when the coating is completely solidified (about 12 hours later). The direction of smearing should be perpendicular to the second time. The specific operation is the same as the first step. The operation times depends on the design thickness, the overall thickness is 2.0-2.2mm

After application

- Protection:
If necessary, a proper protective layer can be operated on the surface of the coating.
- Tools Cleaning :
It can be soaked in toluene or 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.

■ 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,

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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 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.
- 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.