

PU-24

Wood Floor PU ADHESIVE

Premium Quality & Ultimate Service

One Component Polyurethane Wood Floor Adhesive

PU-24

■ Technical Data Table

PROPERTY	PU-24
Appearance	Ocher, paste Uniform Sticky
Cure mechanism	Moisture curing
Density (g/cm ³)	1.35±0.02
Tack Free Time (Hr) (23° C and 50% r.h.)	≤90mins
Curing at 23° C and 50% r.h.	≥ 3,0 mm/24h
Tensile modulus (DIN 53504)	≥1.4
Hardness (Shore A)	35±5
Sag	No Sag
Elongation at Break (%)	≥500
Shrinkage %	≤5
Extrusion rate (ml/min)	≥120
Operation Temperature (°C)	5-35 °C
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

- PU24 is one component polyurethane construction sealant special for wood floor.

■ Key Features

- One-component, moisture cured, convenience of application;
- Good bonding property, with excellent elasticity;
- No solvent, no smell and odor after curing, environment-friendly;

- Excellent sound dampening properties, reduce reflection and noise;
- No corrosion to substrates

■ Typical Applications

- For bonding many types of wooden parquet, strip and sheet wood flooring systems to concrete, wood or over existing floors
- Good for bonding wood and wood derivative and paper in the house.

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■ Chemical Resistance

- PU-24 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
- 310ml: 24pcs per box , 600ml:20pcs per box

■ 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

■ Attention of operation

- Choose this product, primer, activator and other matching product, must have bonding test before bonding the materials, to ensure that they have good compatibility. At the same time, before application, should guarantee that the sealant, primer and activator are in the warranty period.
- Please strictly according to the application process, any violation of the application operation may cause bonding failure. This product is innocuous after curing completely, but before curing, please avoids contacting with eyes and skin. In case of eyes and skin contact, wash immediately and thoroughly with soap and water. If the situation is serious, please go to see a doctor immediately

■ Instruction

Surface preparation

Surface must be clean, dry, free of water, oil, grease or rust and of sound quality. Remove all loose particles or residues with a jet of compressed air, sandpaper, hard brush. Clean surface with a solvent, like acetone, if the substrate can stand it.

Priming

Pre-test substrates for adhesion. Cleaners and/or primers may be required to achieve optimal adhesion. As a rule, substrates must be prepared in accordance with Adeseal instructions; specific guidance regarding adhesion on specific surfaces may be obtained by submitting substrate samples for analysis to our Laboratories.

Tooling and finishing

Tooling and finishing must be carried out within the tack-free time of the sealant.

Removal

Uncured product can be removed with a white spirit or another suitable solvent. Once cured, the material can only be removed mechanically.

Over-painting

PU-24

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In general, it can be over-painted. The paint must be tested for compatibility by carrying out preliminary tests. Attention must be observed with the use of alcohol or alkyd-resin since they may interfere with the curing process of the sealant and modify the drying time of the paint itself. It should be understood that the hardness and rigidity of the paint film may impair the elasticity of the sealant and lead to cracking of the paint film.

Application

Pierce through the protective membrane in the front threaded section. Screw on the plastic nozzle and cut it at an angle according to the desired bead thickness & profile. Fit the cartridge into a manual or pneumatic air operated gun (provided with telescopic piston) and apply material carefully preventing air entrapment. Once opened, packs should be used up within a relatively short time.

Do not apply at temperatures below 5°C or above 40°C. The optimum operating temperature for both substrate and sealant is between 15°C and 25°C.

Limitations

- PU-24 may be painted. However some coatings may crack if movement occurs, preliminary tests recommended.
- Avoid exposure to high levels of chlorine (avoid to seal joints in chlorinated swimming pools).

- Do not cure in the presence of curing silicone sealants.
- Avoid contact with alcohol and other solvent cleaners during cure.
- Do not apply when moisture-vapour-transmission condition exists from the substrate as this can cause bubbling within the sealant.
- When applying sealant, avoid air-entrapment.
- Since system is moisture-cured, permit sufficient exposure to air.
- White colour tends to yellow slightly when exposed to ultraviolet rays.
- The ultimate performance of Pu Construction depends on good joint design and proper application with joint surfaces properly prepared.
- PU construction should not be used for structural glazing

■ 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



PU-24

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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.