10 September 2024

WATERPROOF PU ADHESIVE

Technical Data

Basis	Polyurethane
Consistency	Fluid
Curing system	Moisture curing
Density	Ca. 1.11 g/mL
Viscosity (Brookfield)	2,500 mPa.s → 4,500 mPa.s
Total solid content	Ca. 95 %
Open time (23°C/55% RV)*	Ca. 15 min
Pressing pressure	1 kg/cm^2 – 2 kg/cm^2
Pressing time	Minimum 3 hours
Water resistance (EN 204)	D4
Shear strength	> 10 MPa
Application temperature	5 °C → 35 °C
Temperature resistance	-30 °C → 100 °C
Consumption	150 g/m^2

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

** This information relates to fully cured product

Product description

Waterproof PU Adhesive is a 1-component, unfilled, ready to use polyurethane based adhesive with excellent water resistance.

Properties

- Easy to tool
- Professional quality
- Foaming penetration action to fill bond cavities
- Water resistant D4
- Suitable for wet wood types

Applications

- Interior applications which are exposed to high relative humidity.
- Exterior applications which are exposed to direct weather influence.
- Bonding of windows and door frames (also corner connections) which need to meet class D4 according to EN204.
- Bonding of wooden construction elements

Packaging

Colour: brown
Packaging: 750 gr

Shelf life

At least 12 months in original, unopened packaging in a cool and dry storage place with temperature between +5°C and +25°C.

Substrates

Substrates: most non-porous and porous substrates like timber, wood, concrete, stone and other materials commonly used in construction. Not suitable for PE, PP and PTFE.
Nature: clean, free of dust and grease.
Surface preparation: The adhesive cures on exposure to moisture in the air or in the material and foams up thereby very light. A lightly moisten the surface (water spray) can accelerate the curing process and increase the filling character.

We recommend a preliminary adhesion and compatibility test on every surface.

Application method

Application method: Apply the adhesive with the aid of a fine-toothed comb or brush on one of the materials to be bonded. Bring the two parts together within maximum 15 minutes and clamp during minimum 3 hours. Clamping of the materials, during the curing, is necessary in order to achieve the final maximum possible strength.

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Cleaning: Uncured Waterproof PU Adhesive can be removed from substrates and tools with **Soudal Gun and Foam Cleaner** or **Swipex**. Cured Waterproof PU Adhesive can only be removed mechanically.
Repair: With the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information. Use only in well-ventilated areas.

Remarks

- It is recommended to do a compatibility test prior to application.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.