

P1001 – Technical Data Sheet



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Description

P1001 is a single-component, unfilled, ready-to-use, polyurethane-based adhesive with excellent water resistance.

Materials **P1001** is designed to bond include various porous and non-porous surfaces such as wood, concrete, stone and other materials commonly used in construction.

P1001 is not suitable for PE and PP.

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

Typical Uses

P1001 applications include:

- 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.

Benefits

P1001 offers the user the following benefits:

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

Physical Properties

Base	Polyurethane
Curing system	Moisture curing
Temperature resistance	-30°C to 100°C
Pressing pressure	1kg/cm ² to 1.2kg/cm ²
Water resistance (EN204)	D4
Consumption (*)	Ca. 150g/m ²
Total solid content	95%
Consistency	Fluid
Density	Ca 1,11 g/ml
Open time (*)	Ca. 5min
Pressing times	Minimum 30 minutes
Shear strength	>10MPa
Application temperature	>5°C to 35°C

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

Directions for Use

Note: Before bonding your materials, we recommend a preliminary compatibility test.

1. Prepare your surfaces. The adhesive cures on exposure to moisture in the air or in the material. A light moistening of the surface (e.g. with a water spray) can accelerate the hardening process and increase the filling character.
2. Apply the adhesive with the aid of a fine-toothed comb or brush on to one of the materials to be bonded.
3. Bring the two parts together within a maximum of 5 minutes from initial application,
4. Clamp the two materials for a minimum of 30 minutes. During the curing, clamping of the materials is necessary in order to achieve the final maximum possible strength.

Cleaning: Uncured P1001 can be removed from substrates and tools with P1013. Cured P1001 can only be removed mechanically.

Repair: With the same material.

Please consult the P1001 Health & Safety Data Sheet for statutory regulation information.

Information relating to the products of Bondrite Adhesive Limited is based on tests carried out under laboratory conditions. If any of our products are not used in accordance with our instructions or are used under conditions which vary from our laboratory, they may not perform in accordance with any information provided and Bondrite shall not have any liability in this case. Bondrite will accordingly provide samples of our products, on request and free of charge, for Customers to carry out their own tests as to suitability of our product for their purposes and as used in their intended environment.

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