



PUR Adhesive 506.0

Humidity curing single-component reaction adhesive based on polyurethane. High resistance to water and temperature. D4 according to DIN/EN 204.

Fields of application

- Bonding of windows and doors
- Laminate bonding of wood and wood materials
- Joint bondings for outdoor use
- Joint bondings of MDF boards
- Bonding of mineral building boards
- Bonding of ceramic materials, concrete materials and hard foams

Advantages

- Single-component adhesive, no pot life problems
- Easy application
- Relatively short curing times

Properties of the bond

- Quality of the bond: D4 according to DIN/EN 204 (test report no. 505 31204/1 dated 13.02.2006, i.f.t. Rosenheim))
- The thermosetting glue joint is resistant to high temperatures and achieves highest bonding strength

Properties of the adhesive

Base:	isocyanate
Colour:	brown
Specific gravity:	1.14 ± 0,02 g/cm ³
Viscosity	
Brookfield Sp. 3/20 rpm:	1,600 ± 400 mPa s
Consistency:	fluid
Identification:	identification required according to the German hazardous substances regulations GefStoffV, contains 4.4 diphenyl methane diisocyanate

Application techniques

Processing conditions:

The ideal working temperature is +20°C, the ideal moisture content of the wood is 8-12 %.

Do not process below +5°C.

The adherents must be clean, dry and free from grease.

Remove release agent from plastic surfaces.

Application methods: with spatula or hand roller out of plastic squeeze bottle

Application: single-sided application to the less porous surface.

Application quantity: 100-200 g/m², depending on material

Open time:

20-30 minutes at approximately 20°C

The open time can be reduced by means of higher temperature, higher humidity or moisture supply.

Pressing of the parts:

Parts should be pressed to ensure sufficient contact and optimal cross-linking strength.

In order to protect exposed surfaces from being contaminated by glue, apply a silicone paper to this area.

The required pressure depends on the kind and size of the materials.

Minimum pressure with the bonding of laminated wood: 0.6 N/mm². Cross-linking strength is aided when parts are under pressure therefore higher subsequent load capability.

Pressing times:

The pressing times are dependent on temperature and moisture supply.

In the following we give some guide values:

at 20°C approximately 90 minutes

40°C approximately 40 minutes

60°C approximately 20 minutes

Exact times must be established for the particular application according to the conditions in question.

Final setting time:

Subsequent processing of the bonded parts is possible after 2-3 hours, final strength is achieved after approximately 24 hours.



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Safety measures:

Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact. In case of contact with eyes, rinse with plenty of water immediately and seek medical advice. After contact with skin, wash immediately with plenty of water and soap.

If you feel unwell, seek medical advice.

Heating up to more than 40°C causes harmful vapours, therefore pay attention to effective exhausting or wear protective breathing equipment in rooms which are not sufficiently ventilated. The adhesive reacts chemically with water, therefore contact with eyes, mouth or mucous membranes should be avoided by all means.

Cleaning

Clean application tools with KLEIBERIT Cleaner 820 immediately after use.

Packaging

KLEIBERIT PUR Adhesive 506.0:

carton with 12 plastic squeeze bottles, 0,5 kg net each
metal can, 6,0 kg net

KLEIBERIT Cleaner 820:

metal can 22 kg net

Storage

KLEIBERIT PUR Adhesive 506.0 can be stored in factory sealed containers at 20°C as follows:

12 months in metal packaging

9 months in plastic containers (IBC)

6 months in plastic bottles

Keep in cool and dry place and protect carefully from humidity.

Opened containers should be used up as soon as possible.

EX0809; replaces previous versions

Waste Disposal

Disposal of contents and/or containers should comply with all applicable federal, state and local regulations.

Our containers are made of recyclable material.

Service

Our application department may be consulted at any time without obligation. The statements made herein are based on our experience gained to date. They are to be considered as information without obligation. Please test and establish for yourself the suitability of our products for your particular purposes. No liability exceeding the value of our product can be derived from the foregoing statements. This also applies to the technical consultancy service which is rendered free of charge and without obligation.