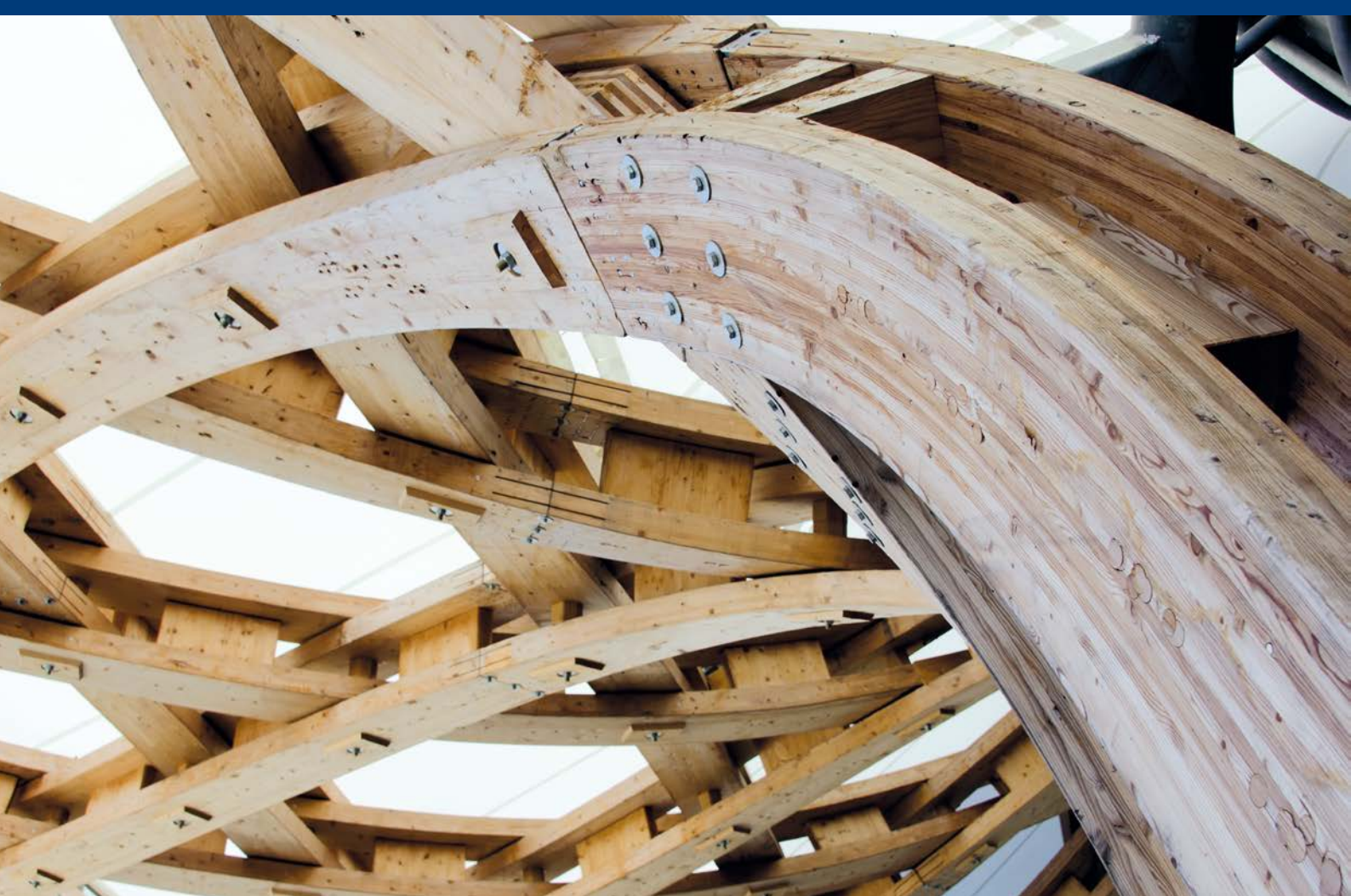


Certified PUR Adhesive for load bearing wood
construction **KLEIBERIT 510.3**



Surface and finger-joint bonding of wooden components, windows and door elements



KLEIBERIT offers the one-component **PUR adhesive 510.3** for the production of load bearing wooden construction components. This high quality adhesive complies with the relevant standards and has the certifications and official approvals subsequently required for structural wood components. In particular, **KLEIBERIT 510.3** features variable processing properties and a light colored glue line - convincing advantages for every user.

STANDARDIZATION

According to **DIN EN 14080**, **EN 15497** and **EN 16351**, one-component PUR adhesives for structural wood components may only be used for wood construction in Europe if they have been positively tested according to **DIN EN 15425**.

TIMBER COMPONENTS ACCORDING TO DIN EN 14080

Typical timber components according to this standard are:

- laminated wood beams
- laminated timber
- laminated timber with finger joints
- laminated timber composite components

TIMBER COMPONENTS ACCORDING TO DIN EN 15497

- solid structural timber

TIMBER COMPONENTS ACCORDING TO DIN EN 16351

- cross-laminated timber (CLT)

- KLEIBERIT 510.3.05, 510.3.17 und 510.3.30 are certified and approved for load bearing wood components according to **EN 15425:2017-I-70-GP-0,3-w**.



- KLEIBERIT 510.3.05, 510.3.17 und 510.3.30 are certified and approved according to **SANS 10183-4** and **SANS 10183-2** as wood adhesives for load bearing wood components in service class S3*



*Service class S3: suitable for long-term outdoor use, even with direct contact with the ground.

The right timing for everyone



KLEIBERIT 510.3.05

KLEIBERIT 510.3.17

KLEIBERIT 510.3.30

All meet the strict requirements of the respective test standards and also offer a whole range of convincing advantages:

- very high bonding strength
- inconspicuous light glue line
- excellent processing properties
- also suitable for high line speeds
- convenient processing window due to three different versions

| Product | Viscosity at 20 °C [mPa·s] | Color | Open time at indoor climate 20 °C / 65% rel. a.h. | Minimum press time for straight parts ¹ with a 0,1 mm joint and a wood moisture content u 12% at indoor climate 20 °C / 65% rel. a.h. | Proposed post curing time ² at indoor climate 20 °C / 65% rel. a.h. |
|----------|----------------------------|-----------------|---|--|--|
| 510.3.17 | approx. 18,500 | yellowish-white | 5 min | 17 min | 70 min |
| 510.3.17 | approx. 18,500 | yellowish-white | 17 min | 35 min | 70 min |
| 510.3.30 | approx. 18,500 | yellowish-white | 30 min | 70 min | 140 min |

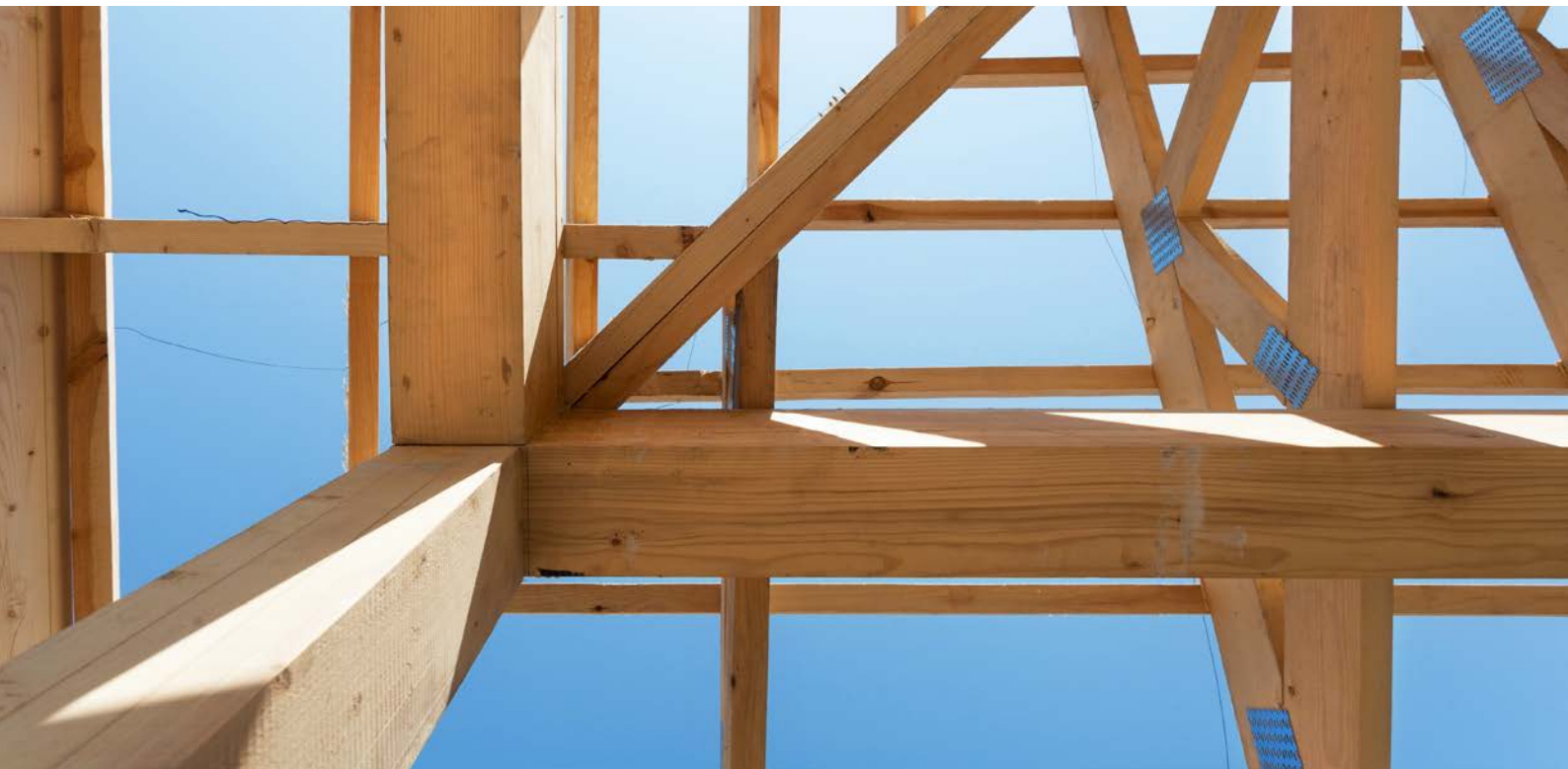
¹ Pressing times depend on temperature, moisture supply and joint thickness. Exact times must be determined for the specific application according to existing conditions. Technical advice can be obtained from the responsible KLEIBERIT sales representative.

² Depending on the geometry of the pressed parts and possible variations in the storage climate during the post-curing time, this may be shorter or longer. It is therefore necessary to carry out suitable in-house tests according to the respective application and to document them in writing.



Suitable service products

| Product | | Characteristics/Applications |
|---------|-----------------------|---|
| 822.2 | Cleaner | Cleaning agent for application equipment and machines used in PUR processing. Cleaner softens even cured PUR adhesive again. |
| 825.0 | Sealing liquid | For sealing dispensing and spray heads filled with 1C PUR adhesives. Protects against moisture penetration and prevents curing of the adhesive. |
| 885.0 | Release agent (pasty) | Pasty release agent. Protects tools and machine (parts) from contamination. Excellent release effect to easily remove adhesive residues. |
| 885.4 | Release agent (fluid) | Sprayable release agent. Protects tools and machine (parts) from contamination. Excellent release effect to easily remove adhesive residues. |



Our engineers have decades of experience in bonding a wide variety of material combinations. They are familiar with the various machines and application methods on the market and are highly committed to developing tailor-made bonding processes together with our customers.

Would you like expert advice? Contact us directly by email or phone.

KLEIBERIT SE & Co. KG
 Max-Becker-Str. 4
 76356 Weingarten/Germany
 Phone: +49 7244 62-0
 Email: info@kleiberit.com
www.kleiberit.com

