Fraunhofer WKI

#WeKnowWood

# Adhesive bonding in wood construction

The Fraunhofer WKI testing body "Structural bonding" is accredited for all significant adhesive systems used in load-bearing timber construction in accordance with ISO/IEC 17025 and is recognized in accordance with the Niedersächsische Landesbauordnung (Lower Saxony state building code, LBO). We are, therefore, your competent partner for the testing of adhesives and bonded products in both structural and non-load-bearing timber construction.

**Adhesive testing**

- Testing and classification of phenolic and aminoplastic adhesives | DIN EN 301
- Testing and classification of one-component polyurethane-based adhesives (1C-PUR ) | DIN EN 15425
- Testing and classification of emulsion-polymerized isocyanate (EPI) | DIN EN 16254
- Testing and classification of two-component adhesives based on polyurethane and epoxy (2C-PUR/2C-EP)

Furthermore, we offer normative testing for adhesives used in the non-structural area: DIN EN 204, DIN EN 14256, DIN EN 14257 (WATT´91) and IOS-MAT-0134.

**Product testing**

- Testing of lamella and finger-joint-bonding of glued laminated timber and cross-laminated timber | DIN EN 14080, DIN EN 16351/ abZ or ETA
- Monitoring and certification of laminated-timber operations | DIN EN 14080, DIN EN 16351/abZ or ETA

In addition, we offer the verification of suitability for the execution of bonding work in accordance with DIN 1052-10 as well as timber panels.

Furthermore, the Fraunhofer WKI is recognized as a testing body for the verification of suitability for the execution of bonding work in the production of load-bearing timber components and glued laminated timber and, within this framework, offers all the necessary inspections required for the verification of suitability, such as the company audit. We also offer training courses on the verification of suitability and further topics through the **WKI | Academy**.

The Fraunhofer WKI is recognized as a testing laboratory for verifying the "suitability for carrying out bonding work for the manufacture of load-bearing timber components and glulam".

## Contact

Malte Mérono M. Sc.
Department QA
Phone +49 531 2155-354
malte.merono@
wki.fraunhofer.de

Fraunhofer WKI
Bienroder Weg 54 E
38108 Braunschweig
Germany
www.wki.fraunhofer.de



05/2023