Fraunhofer WKI

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Testing | Monitoring | Certification

Structural bonding

The Fraunhofer WKI testing body "Structural Bonding" is accredited for all major 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 building ordinance – LBO). We are therefore your competent partner for the testing of adhesives and bonded products in both structural and non-structural timber construction.

Our range of services

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 154255
- Testing and classification of emulsion-polymerized isocyanate (EPI) | DIN EN 16254
- Testing and classification of two-component adhesives on the basis of polyurethane and epoxy (2C-PUR/2C-EP)

Furthermore, we offer normative tests for adhesives used in non-load-bearing applications: DIN EN 204, DIN EN 14256, DIN EN 14257 (WATT'91) and IOS-MAT-0134.

Product testing

- Testing of lamellar and finger-jointed glued laminated and cross-laminated timber | DIN EN 14080, DIN EN 16351/abZ or ETA
- Monitoring and certification of glued laminated timber companies | 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 of the execution of bonding work for the production of load-bearing timber components and glued laminated timber. In this context, the Fraunhofer WKI offers all the inspections which are necessary for the proof of suitability, such as the company audit. We offer training courses on the proof of suitability and further topics via the **WKI | Akademie®**.

Contact

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