

SVV Praha, s.r.o. Centrum Lepení Brno (CLB) in Moravany u Brna offers the following tests and trials of bonded joints and substrates for proof of conformity with DIN 6701:

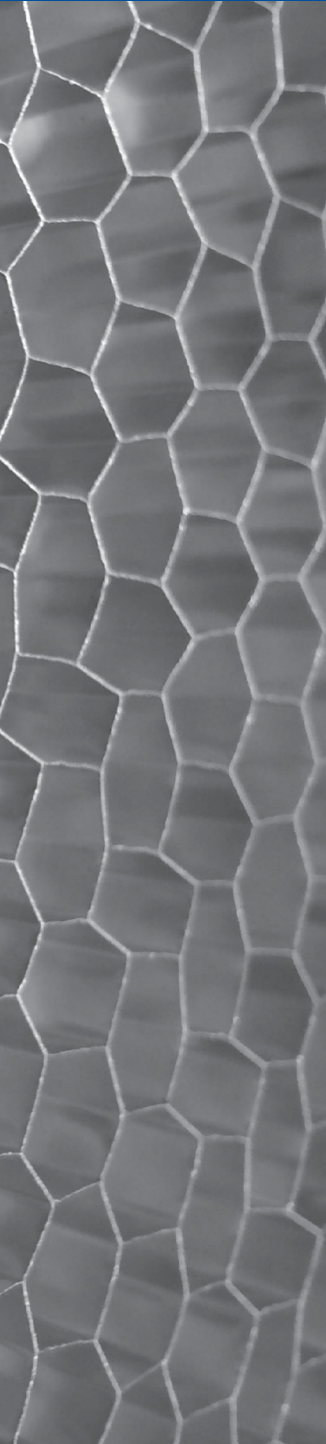
Destructive testing methods:

- **EN 1465** Adhesives - Determination of tensile lap-shear strength of bonded assemblies
- **EN 1464** Adhesives - Determination of peel resistance of adhesive bonds - Floating roller method
- **DIN 54457** resp. **DVS1618** Structural adhesives - Testing of adhesively bonded joints - Bead peel test
- **DIN 53295** Testing of sandwiches; Peel test by means of a drum
- **EN ISO 13445** Adhesives - Determination of shear strength of adhesive bonds between rigid substrates by the block-shear method
- **DIN 54455** Testing of adhesives for metals and of bonded metal joints - Torsional shear test
- **DIN 53293** Testing of sandwiches; Bending test bending test in 3 or 4 points
- **EN ISO 11339** Adhesives - T-peel test for flexible-to-flexible bonded assemblies
- **EN 28510-1** Adhesives - Peel test for a flexible-bonded-to-rigid test specimen assembly - Part 1: 90° peel
- **ISO 10354** Adhesives-characterization of durability of structural-adhesive-bonded assemblies; wedge rupture test
- **EN 15336** Adhesives - Determination of the time to rupture of bonded joints under static load
- **Static tensile tests** of polymeric and non-polymeric substrates
- Tests evaluation according to **ISO 10365** Adhesives; designation of the main failure patterns

Other testing methods:

- **Contact angle** measurement and free **surface energy determination** – appliance See System ADVEX INSTRUMENTS
- **Thickness measurement** of polymeric and non-polymeric coatings - appliance probes PosiTector
- **Hardness measurement** of polymeric and metallic materials

Testing of bonded joints



Ageing tests:

According to e.g. **EN ISO 9142** Adhesives - Guide to the selection of standard laboratory ageing conditions for testing bonded joints including the so-called „cataplasma“

Substrate surface preparation:

- Preparation of surfaces before gluing by plasma with additional gases N₂, Ar, O₂, Plasma Slit 004 device
- Preparation of surfaces before gluing using oxygen plasma Plasma Tigres ABC O₂ device
- Ultrasonic washing of the substrate surface

Other offered services:

- Validation, verification testing, determining the suitability of machines and the gluing process, tests in series production
- Custom test cycle design
- Design of technology for the production of glued joints, including construction, validation and quality monitoring
- Design and production of product prototypes by 3D printing

We will prepare an individual price offer of services for you.

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