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Res. Agr. Eng.

**M. Müller, P. Hrabě, R.
Chotěborský, D. Herák**

Evaluation of factors

Manufacturing adhesive bond strength

Res. Agr. Eng., 52 (2006): 30-37

In the last ten years periods the bonding technology noted a great boom not only in manufacturing industry but in repairing industry, too. The expansion of chemical industry is the cause of this boom. In this way the use of bonding technology in industrial applications brings considerable cost savings. For the successful use of adhesives the knowledge of used adhesives and of further affecting factors is important. Respecting of this know-how is the presumption of the bonded joint successful design. The breaking of the technological procedure and the incorrect design are very often reasons of wrong joints. The paper contains theoretical information about the bonded joints creation and some results of laboratory tests inquiring into the reasons which affect the bonded joint strength. For tests the two-component epoxy adhesives were used.

Keywords:

bonding, bonding technology, surface
preparation; testing of adhesive bonds

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