

# Czech Academy of Agricultural Sciences



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### **Journal of Forest Science**

**Determination of the pressing parameters of spruce water-resistant plywood**

Hrázský J., Král P.:

J. For. Sci., 53 (2007): 231-242

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The paper summarizes results of

operations aimed at determining the pressing parameters of spruce water-resistant plywood and testing the suitability of particular constructions of plywood. Constant and variable parameters were determined. In pressed plywood sheets, the shearing strength of gluing according to EW 100 and the coefficient of compressibility were determined. In pressing, heat transmission through the set of veneers was analyzed and effects of the moisture of veneers on heat transmission were tested. The percentage of resin hardening was also determined. Results were statistically analyzed. The dependence was determined of shearing strength, coefficient of compressibility and heat transmission on changes in pressing parameters. Results of the study consist in the proposal of pressing parameters for particular constructions of plywood.

**Keywords:**

plywood; gluing strength; veneer; plywood construction; statistical evaluation

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# Sciences

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