

A method for prediction of strength and durability of wood joints with glues based on polyvinyl-acetate through non-destructive control of those includes determination of strength and durability by mathematical models with account of the level of loading of a glue joint, sort of wood, temperature within -16°C and $+26^{\circ}\text{C}$ and humidity of environment within 40 % and 100 %. Minimal duration of the procedure of strength and durability is provided.