

OPTIMISATION OF PINEWOOD DRYING SCHEDULES

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ABSTRACT

In order to develop optimized drying schedules, a series of experimental schedules of convective kiln drying of pinewood has been performed. Boards, 25,0 mm thick have been used as testing materials. The boards have been kiln dried from initial moisture content of 50,2 % to final moisture content of 10,0 % for a period of 8 days. In a drying schedule there were four stages: heating, active drying, equalizing and conditioning. The moisture content difference i.e. moisture content gradient between core and surface of the boards after drying is 2,2 %.

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