

Measurements were carried out according to the standard EVS-EN 12667. Thermal conductivity was measured with LaserComp Fox-304 device based on manufacturer's methodology.

Test specimens: Heat treated ash wood panels in size of 305x305mm marked from No. 1 to No. 5

Measurements were carried out at test specimens mean temperature of 10°C and marked as λ_{10} .

Expanded measurement uncertainty U ($k=2$) of measurements is marked as $\Delta\lambda_{10}$.

Parameters of measured test specimens and measurement results are on tables 1 and 2.

TABLE 1

TABLE OF MEASUREMENT RESULTS

Test specimen	T_{mean}	ΔT	Thickness	q	λ_{10}	$\Delta\lambda_{10}$
Heat treated ash wood	°C	K	m	W/m ²	W/(m·K)	W/(m·K)
Test specimen No.1	10.2	12.1	0.0280	54	0.125	±0.0002
Test specimen No.2	10.2	12.1	0.0280	48	0.111	±0.0002
Test specimen No.3	10.2	12.1	0.0280	51	0.118	±0.0002
Test specimen No.4	10.2	12.1	0.0280	56	0.130	±0.0002
Test specimen No.5	10.2	12.1	0.0280	49	0.114	±0.0002

TABLE 2

SUMMARY OF MEASUREMENT RESULTS

Thermal conductivity	λ_{10} , W/(m·K)	$\Delta\lambda_{10}$, W/(m·K)
Heat treated ash wood	0.120	±0.0004

Conditions in laboratory:

Temperature of the air 24°C

Relative humidity of the air 45%

Remark: Only the results of steady state situation are presented in this report. No change of weight and size were detected during preconditioning (48h at the temperature 23±2°C and relative humidity 50±5%) and measurements.

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