



TEST REPORT No. 046/15-2

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Date: 8 of April 2015

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Detemination of thermal resistance

(test title)

Test method: LST EN 12664:2002 Thermal performance of building materials and products - Determination of thermal resistance by means of guarded hot plate and heat flow meter methods - Dry and moist products of medium and low thermal resistance.

(number of normative document or test method, description of test procedure, test uncertainty)

Specimen

description: Oak/plywood parquet boards, dimensions 698×600, thickness 15 mm.

(name, description and identification details of a specimen)

Customer: UAB "Plankmara", Užusalių vlg., LT-55333, Jonavos dis.

(name and address)

Manufacturer: UAB "Plankmara", Užusalių vlg., LT-55333, Jonavos dis.

(name and address)

Test results:

Name of quantity, unit	Test method	The average value of the test results	Expanded uncertainty of measurement
Average thermal conductivity coefficient λ , W/(m·K)	LST EN 12667:2002	0,14	± 0,001
Average thermal resistance R, m ² ·K/W		0,11	± 0,0004
Declared thermal conductivity coefficient λ , W/(m·K)	LST EN 12667:2002	0,16	
Declared thermal resistance R, m ² ·K/W		0,09	

Testing conditions: $\Theta_i = 10,1\text{ }^\circ\text{C}$; $\phi_i = 34,6\%$

Tested at: Laboratory of Building Physics, Institute of Architecture and Construction of Kaunas University of Technology

(name of the test laboratory)

Specimen delivery date: 2015-04-02 Date of testing: 2015-04-08

Sampling: The test specimen sampled by customer

Additional information: _____

(any deviations, complementary tests, exceptions and any information related with particular test)

Annexes: Annex 1. Results of test

(indicate annex numbers and titles)

Head of the Laboratory

(approves the test results)

R. Bliūdžius

(n., surname)

(signature)

Tested by:

(technically responsible for testing)

A. Burlingis

(n., surname)

(signature)

S.P.

Validity – the named data and results refer exclusively to the tested and described specimens.
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Annex 1. Results of test

Specimen	Weight, kg	Dimensions, mm	Thickness, mm	Density, kg/m ³	Thermal resistance R, m ² ·K/W	Thermal conductivity coefficient λ , W/(m·K)
1	4,592	698×603	15,0	727	0,1164±0,0004	0,1289±0,00075
2	4,670	697×602	15,0	742	0,1054±0,0004	0,1423±0,00084
3	4,600	699×604	15,0	726	0,1105±0,0004	0,1357±0,00079
Average:			15,0	732	0,1108±0,0004	0,1356±0,00079
The average deviation:					0,005505	0,006700
Declared value:					4,26·0,005505- 0,1108=0,08735	4,26·0,006700+0,1356= 0,1641

Head of the Laboratory
(approves the test results)

R. Bliūdžius
(n., surname)

(signature)

Tested by:
(technically responsible for testing)

B. Burlingis
(n., surname)

(signature)

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