



TEST REPORT No. 046/15-3

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Date: 10 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: Solid oak floorboards, dimensions 700×600, thickness 14,5 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	0,15	$\pm 0,001$
Average thermal resistance R, m ² ·K/W		0,10	$\pm 0,0004$
Declared thermal conductivity coefficient λ , W/(m·K)	LST EN 12667:2002	0,18	
Declared thermal resistance R, m ² ·K/W		0,08	

Testing conditions: $\Theta_i = 10,1^\circ\text{C}$; $\phi_i = 34,4\%$

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: 2015-04-10

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	4,324	700×600	14,5	710	0,1000±0,0004	0,1450±0,00086
2	4,182	700×600	14,5	687	0,0985±0,0004	0,1472±0,00088
3	4,249	700×600	14,5	698	0,0915±0,0004	0,1584±0,00095
Average:			14,5	698	0,0967±0,0004	0,1502±0,00090
The average deviation:					0,004537	0,007186
Declared value:					4,26·0,004537- 0,0967=0,07737	4,26·0,007186+0,1502= 0,1808

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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