

Determination of heat transfer coefficient

(designation of the test)

Test performed in accordance with: LST EN 12667:2002 Thermal performance of building materials and products. Determination of thermal resistance by means of guarded hot plate and heat flow meter methods. Products of high and medium thermal resistance

(number of normative document or description of a test method, test procedures, test error)

Product: Pressed straw, density 100kg/m³, humidity 12%

(name, mark of the normative document or description, means of identification)

Client: "ECOCOCON" Ltd, Dievogalos Village, Dievogalos str. 69, Kaunas Dist.

(name and address)

Producer: "ECOCOCON" Ltd, Dievogalos Village, Dievogalos str. 69, Kaunas Dist.

(name and address)

Test results:

Measurement data	Specimen 1	Specimen 2	Specimen 3
Average heat flow density across the specimen q_{vid} , W/m ²	8.55	8.50	8.97
Average temperature of the specimen T_{vid} , °C	9,81	9,79	9,85
Specimen thickness, mm	168.02	167.15	162.14
Average heat transfer coefficient λ , W/m·K	0.057	0.056	0.057

Ambient conditions: Temperature $t = 10^{\circ}\text{C}$, relative air humidity $\phi = 19-33\%$

Test equipment: Single-specimen symmetric heat flow meter apparatus No. 1/99 in accordance with ISO 8301.

Place of the test: Laboratory of Building Thermal Physics, IAC KUT

(name of the test laboratory)

Specimens delivered: 10-01-2013 Date of testing: 10-01-2013 – 15-01-2013

Specimens selected: by the client.

Other information: Application 11-12-2012

(any deviations, additional tests, exceptions and any information related to the test)

Technical Manager:

(technically responsible for the test)

J.Ramanauskas

(name, surname)

Bandymą atliko:

A.Burlingis

The results of the test report refer exclusively to the specimens tested.
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**KTU INSTITUTE OF ARCHITECTURE
AND CONSTRUCTION**

**BUILDING THERMAL PHYSICS
LABORATORY**

**TEST REPORT No. 065-108-029 SŠF/13
06 March 2013**

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(technically responsible for the test)

(signature)

(name, surname)

L.S.

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