



TEST REPORT No. 065-3 SF/19 U

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Date: 7 of May 2019

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**Determination of thermal resistance of reflective insulation product according
LST EN 16012:2012+A1:2015 and LST EN ISO 8990:1999**

(test title)

Test method: LST EN 16012:2012+A1:2015: Thermal insulation for buildings-Reflective insulation products-Determination of the declared thermal performance;
LST EN ISO 8990:1999 Thermal insulation - Determination of steady-state thermal transmission properties - Calibrated and guarded hot box (ISO 8990:1994).

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

Specimen description: Type of product : reflective insulation product
Name of product :

• **PRO C**

Thickness of product installed in the „Hot box“ – 60 mm

Declared thickness of product – 45 mm*

*Declaration: Analysis of the samples PRO B, PRO C, PRO V of 08/04/19

(name, description and identification details of a specimen)

Customer: FBT ISOLATION, 146 Avenue du Bicentenaire – FR-01120 Dagneux, France

(name and address)

Manufacturer: FBT ISOLATION, 146 Avenue du Bicentenaire – FR-01120 Dagneux, France

(name and address)

Test results:

Name of the indicator and unit	Test method reference no.	Test result
Thermal resistance R with 2 air gaps, (m ² ·K)/W	LST EN ISO 8990:1999 LST EN ISO 16012:2012+A1:2015	3,08
Corrected R -core thermal resistance, (m ² ·K)/W	LST EN ISO 16012:2012+A1:2015	1,96

Position of specimen: vertical (direction of heat flow – horizontal)

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

(name of the test laboratory)

Specimen delivery date: 2019-04-15

Date of testing: 2019-05-01

Sampling: The test specimen sampled by customer.

Additional information: Application 2019-04-08

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

Annex 1. Test results;

Annexes: **Annex 2.** Parameters of Guarded Hot Box measurement;

Annex 3. Specimen products and air gaps thermal properties;

Annex 4. Perimeter zone's linear thermal transmittance value of the specimen;

Annex 5. Specimen design data;

Annex 6. Scheme of climate chamber „Hot box“

(indicate annex numbers and titles)

Head of Laboratory:

(approves the test results)

DOKUMENTAI

S.P.

(signature)

K. Banionis

(n., surname)

Tested by:

(technically responsible for testing)

(signature)

A. Burlingis

(n., surname)

Validity – the named data and results refer exclusively to the tested and described specimens.

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