

National Institute for Research and Development in Constructions
URBAN-INCERC Urban Planning and Sustainable Territorial Development
INCD "URBAN-INCERC"

Cluj-Napoca branch

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ISC authorization. no. 3550/11.11.2019

TEST REPORT No. 08 of 04.01.2023

1. Client order/Contract: FN of 23.11.2022 / 2995 of 12.12.2022 / 22928C of 2022

2. Name of the object to be tested:

PRESSED STRAW INSULATION

3. Client: SC PAECO VISION SRL,

Măritei, com.Darmanesti nr. 603 jud.Suceava

Tel./Fax: 0748.837.857

4. Producer: SC PAECO VISION SRL,

Măritei, com.Darmanesti nr. 603 jud.Suceava

Tel./Fax: 0748.837.857

5. Identification of the method used:

Determination of resistance to thermal transfer by thermal-fluxmetric method for products with high and medium thermal resistance - SR EN 12667:2002 / PTE -IME 57/01.04

6. Description and identification of the object under test: pressed straw insulation

Sample code: 715 No. of samples: 3 pcs.

Sample dimensions: 300 x 300 x 100 mm

7. Date of receipt of the object to be tested: 08.12.2022

8. Test date: 21.12.2022-22.12.2022

9. Sampling and conditioning data: sampling was carried out in accordance with the client's procedures.

10. Results obtained:

Determination of thermal transfer resistance by thermal-fluxmetric method of the products with high and medium thermal resistance

Principle:

The heat transfer property of the sample is determined. The sample is dried in an oven at a constant mass, after which it is placed in the apparatus. The thickness of the sample is automatically measured by the conductivity meter. The average temperature between the plates is selected at 10°C. After the temperature of the plates (hot and cold) stabilizes, the apparatus

displays the thermal conductivity of the sample. The result is the average of the individual determinations.

Obtained results:

Polystyrene type thickness	Thermal conductivity. X W/mK
Pressed staw insulation	0.0476
	0.0492
	0.0486
Average	0.0485

11. Measurement uncertainty: -

12. Opinions and interpretations:-

NOTES:

Test results refer only to the object(s) tested.

The test report can be reproduced exclusively in its entirety, without the written approval of the laboratory that performed the test.

Head of the laboratory, Elvira GREBENISAN, *illegible signature*

Testing responsible, Adrian LAZARESCU, *illegible signature*

Head of Cluj-Napoca branch, Mircea Iosif RUS, *illegible signature, sealed*

End of the test report

I the undersigned POPA IOANA, French/English interpreter and translator, by virtue of the Authorisation no. 12577 issued on 07.12.2005 by the Romanian Ministry of Justice, I hereby certify the accuracy of this translation from Romanian into English.

