



CENTER OF BUILDING CONSTRUCTION ENGINEERING PRAGUE

Test room for physical properties of materials, constructions and buildings-Prague
Test laboratory no. 1007.4 accredited by ČIA according to ČSN EN ISO/IEC 17025
Pražská st. 16, 102 00 Praha 10 Hostivař

TEST REPORT no. 15/636/P386



Order no. : Z-15/375/P107

No. of pages: 2 + Annex

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Name of the test: Determination of the cross heat of combustion of solid and liquid substances

Material/product/structure: TL Vent Fasad GT

Client: Technical and test institute for construction Prague
Prosecka st. 811/76a
190 00 Praha 9 - Prosek

Manufacturer: PRAO«TERMOLIFE»
61071 Kharkov, Karachevskoje shosse 44,
Ukraine

Samples taken over on: 24.04.2015
Name of the workplace: Fire-technical laboratory
Place of measuring: Pražská st. 16, Praha 10 - Hostivař
Date of test: 28.05.2015
Date of issuing report: 31.07.2015

Vít Slaboch

Vít Slaboch
technical head of
fire-technical laboratory



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1. Task of the test

Test was performed on the basis of order no.: OE010150036 from 21.04.2015.

2. Test procedures

CSN EN ISO 1716 Reaction to fire tests for products - Determination of the cross heat of combustion (calorific value)

3. Test samples

Sample delivered by client.

Marking of the sample in laboratory no. 15/P386/1-3.

Composition: mineral wool, glass tissue .

Appearance: composed of mineral wool boards of 50 mm thickness and 75 kg/m³ density (A), black cover glass tissue of 0,6 mm thickness and 64 g/m² areal weight (B).

4. Test measuring instruments and devices

- 1) Adiabatic calorimeter (Ev. no. 708)
- 2) Analytical scales (Ev. no. 101)
- 3) Merchant scales (Ev. no. 102)
- 4) Digital thermometer (Ev. no. 103)
- 5) Digital stopwatch (Ev. no. 104)

5. Test results and conclusion

Conditioning of samples: according to CSN EN 13238

Water value of calorimeter: 9737,7 J/K

Fire-technical characteristics	Measured values			Results	Extended uncertainty
	1. measurement	2. measurement	3. measurement		
heat of combustion PCS [MJ/kg]	1,278	1,253	1,239	1,26	0,12

6. Uncertainties of measurement

Stated expanded uncertainty of measurement is the product of standard uncertainty of measurement and enlargement coefficient $k = 2$, that corresponds with the probability of approx. 95% for normal distribution. Standard uncertainty was determined in compliance with document „EA 4/02“.

7. Statement

Data concerning performed tests are related only to the test objects. Report can be published only as a complex.

Measurements performed by: Jiří Socha

Report prepared by: Jiri Socha

Distribution of reports:

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List of annexes:

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END OF REPORT

Annex of report no. 15/636/P386 about tests PTCH:

Results of determination of heat combustion of individual components

component	areal weight [kg/m ²]	heat of combustion (PCS)	1. measurement	2. measurement	3. measurement	average	exp. uncertainty
A	3,75	[MJ/kg]	1,215	1,191	1,175	1,19	0,12
		[MJ/m ²]	4,556	4,466	4,406	4,48	0,12
B	0,064	[MJ/kg]	4,971	4,889	4,996	4,95	0,08
		[MJ/m ²]	0,318	0,313	0,320	0,32	0,08