

Reaction to fire classification report

1. Introduction

This classification report defines the classification assigned *PSC 1200T* produced by *RIVER POWER, s.r.o., ul. Hlubinská 1378/36, 702 00 Ostrava, CZ* accordance with the procedures given in EN 13501-1:2019-02



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Research Network Łukasiewicz- Institute of Ceramics and Building Materials is a Notified Body no. 1487 In the field of reaction to fire

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-1:2019-02

Sponsor	<i>RIVER POWER, s.r.o., ul. Hlubinská 1378/36, 702 00 Ostrava, CZ</i>
Prepared by	<i>Research Network Łukasiewicz Institute of Ceramics and Building Materials Center of Fire Safety and Acoustics ul. Cementowa 8a, 31 – 983 Kraków Building Chemistry and Fire Safety Research Group</i>
Notified Body No	<i>1487</i>
Product name	<i>PSC 1200T</i>
Classification report No	<i>KG – 167/25</i>
Issue number	<i>1</i>
Date of issue	<i>17.11.2025</i>
This classification report consists of 3 pages and may only be used or reproduced in its entirety	

2. Details of the classified product

2.1 General

The product, *PSC 1200T* produced by *RIVER POWER, s.r.o., ul. Hlubinská 1378/36, 702 00 Ostrava, CZ*

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2.2 Product description

The product, *PSC 1200T* is described below or is described in the test reports provided in support of classification listed in 3.1.

Product description

PSC 1200T

Consumption: 0,3 l/m²

3. Test reports and test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports Nos.	Test method
Building Chemistry and Fire Safety Research Group Research Network Łukasiewicz – CBPiA, ICIMB in Krakow	RIVER POWER, s.r.o., ul. Hlubinska 1378/36, 702 00 Ostrava, CZ	1333/25/KG	PN-EN 13823+A1:2022- 12
Cement Research Group, Łukasiewicz Research Network – ICIMB, CZB in Krakow	RIVER POWER, s.r.o., ul. Hlubinska 1378/36, 702 00 Ostrava, CZ	447/25/BC/N	PN-EN ISO 1716:2018-08

3.2 Test results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
PN-EN 13823+A1:2020-12 1333/25/KG of 17.11.2025	FIGRA _{0,2 MJ} [W/s]	3	9,01	Not Applicable
	FIGRA _{0,4 MJ} [W/s]		5,46	Not Applicable
	LFS < Edge of the sample		Not applicable	Yes
	THR _{600s} [MJ]		1,00	Not Applicable
	SMOGR _A [m ² /s ²]		0,00	Not Applicable
	TSP _{600s} [m ²]		16,23	Not Applicable
	Flaming droplets/particles		Not applicable	No
PN-EN ISO 1716:2018-08 447/25/BC/N	Heat of combustion [MJ/kg] [MJ/m ²]	3	2,91 -	Not applicable

4. Classification and field of application

4.1 Reference of classification

This classification report is defined in accordance with the procedures given in EN 13501-1:2019-02

4.2 Klasyfikacja

The product, *PSC 1200T* in relation to its reaction to fire is classified:

A2

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets/particles:

d0

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The format of the reaction to fire classification for construction products, excluding flooring and linear pipe thermal insulation products is:

Fire behaviour		Smoke production			Flaming droplets	
A2	-	s	1	,	d	0

Reaction to fire classification: A2-s1,d0

4.3 Zakres stosowania

This classification is valid for the product *PSC 1200T* produced by *RIVER POWER, s.r.o.*, ul. Hlubinská 1378/36, 702 00 Ostrava, CZ which is defined in paragraph 2.2. of this classification.

The classification refers to the product applied to non-flammable substrates classified A1 or A2, s1-d0 in reaction to fire classification.

This classification is valid for the following end consumption application in conformity with the technical conditions the building and its location should meet. In conformity with the regulation of the Minister of Infrastructure as of 12th April 2002 on technical requirements that should be met for buildings and their localization as amended, the classification assigned to the product *PSC 1200T* defines the product as **non-flammable, non-dripping**.

5. Limitations

This classification document does not represent type approval or certification of the product.

This report shall become invalid in the event of any changes in the product or the process of its manufacturing are introduced, or when the system of factory production control is substantially changed.

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Grupa Badawcza Chemia Budowlana
i Bezpieczeństwo Pożarowe


mgr inż. Karolina Czekaj

signature of person undertaking classification

Lider
Grupa Badawcza Chemia Budowlana
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mgr inż. Szymon Kasprzyk

signature of person authorising this report

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Total numbers of pages: 2		Test report No. 1333/25/KG		Page 1 st
SPONSOR		RIVER POWER, s.r.o., ul. Hlubinská 1378/36, 702 00 Ostrava, CZ		
AGREEMENT		5L0206G5		
TEST METHOD: PN-EN 13823+A1:2022-12 Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item				
TEST SAMPLE (Data based on a statement Customer)	Manufacturer	RIVER POWER, s.r.o.		
	Tested sample	PSC 1200T		
	Data on the sampling plan	N/A		
	Method of sampling	N/A		
	Date and place of sampling	N/A		
	Sampling by	N/A		
Date of delivered samples		10.09.2025 (Registration number 783/25)		
Construction of the test sample		Samples in accordance with the PN-EN 13823:2010 p.5.1		
Description of substrate and fixing to the substrate		The product tested on the calcium silicate board according to with EN 13238:2011		
Details of conditioning		Storage of the samples in accordance with PN-EN 13238:2011, p. 4.2.		
Date of testing		8.10.2025 - 14.10.2025		
Deviations from EN 13823:2010		-		
TEST CONDITIONS				
Characteristics	Test sample 1	Test sample 2	Test sample 3	
Volume flow of the exhaust [m ³ /s]	0,50 - 0,65	0,50 - 0,65	0,50 - 0,65	
Ambient temperature [°C]	18,66	21,44	21,31	
Ambient pressure [kPa]	98,95	98,95	99,01	
Ambient relative humidity [%]	38,33	39,01	38,79	

Total numbers of pages: 2		Test report No. 1333/25/KG				Page 2 nd
RESULTS						
No.	Characteristics	Test sample 1	Test sample 2	Test sample 3	Mean value	Requirements for class A2-s1,d0 by EN 13501-1
1.	FIGRA _{0,2 MJ} [W/s]	27,03	0,00	0,00	9,01	≤ 120 W/s
2.	FIGRA _{0,4 MJ} [W/s]	16,39	0,00	0,00	5,46	No requirements
3.	THR _{600s} [MJ] total amount of heat during 600 s	1,20	0,88	0,93	1,00	≤ 7,5 MJ
4.	SMOGRA [m ² /s ²]	0,00	0,00	0,00	0,00	≤ 30 m ² /s ²
5.	TSP _{600s} [m ²] total amount of smoke emitted during 600 s	15,33	16,00	17,37	16,23	≤ 50 m ²
OBSERVATIONS						
No.	Characteristics	Test sample 1	Test sample 2	Test sample 3	Requirements for class A2-s1,d0 by EN 13501-1	
6.	LFS – propagation of flame(+/-)	-	-	-	< Edge of sample	
7.	Falling flaming droplets and particles burning no longer than 10 s after falling (+/-)	-	-	-	Do not occur	
8.	Falling flaming droplets and particles burning no longer than 10 s after falling (+/-)	-	-	-	Do not occur	
9.	Short-term flame on surface (+/-)	-	-	-	No requirements	
10.	Falling part of the test piece (+/-)	-	-	-	No requirements	
11.	The smoke is not coming to the hood (+/-)	-	-	-	No requirements	
12.	Damage to the rear panels (+/-)	-	-	-	No requirements	
13.	Deformation / destruction of the test piece (+/-)	-	-	-	No requirements	
14.	Premature termination of the test (+/-)	-	-	-	No requirements	
Comments and observations made during research: -						
Annexes						
1. Photographs showing the attachment of the sample 2. Graphs of parameters for classifying samples 1 3. Graphs of parameters for classifying samples 2 4. Graphs of parameters for classifying samples 3						
The test results refer to the behaviour of product samples for testing in specific test conditions; cannot be the only criterion for assessing a potential fire hazard. The results apply to test sample, only. Without written agreement of laboratory the test report can be copy entirely only.						
Kraków, 17.11.2025						

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THE END

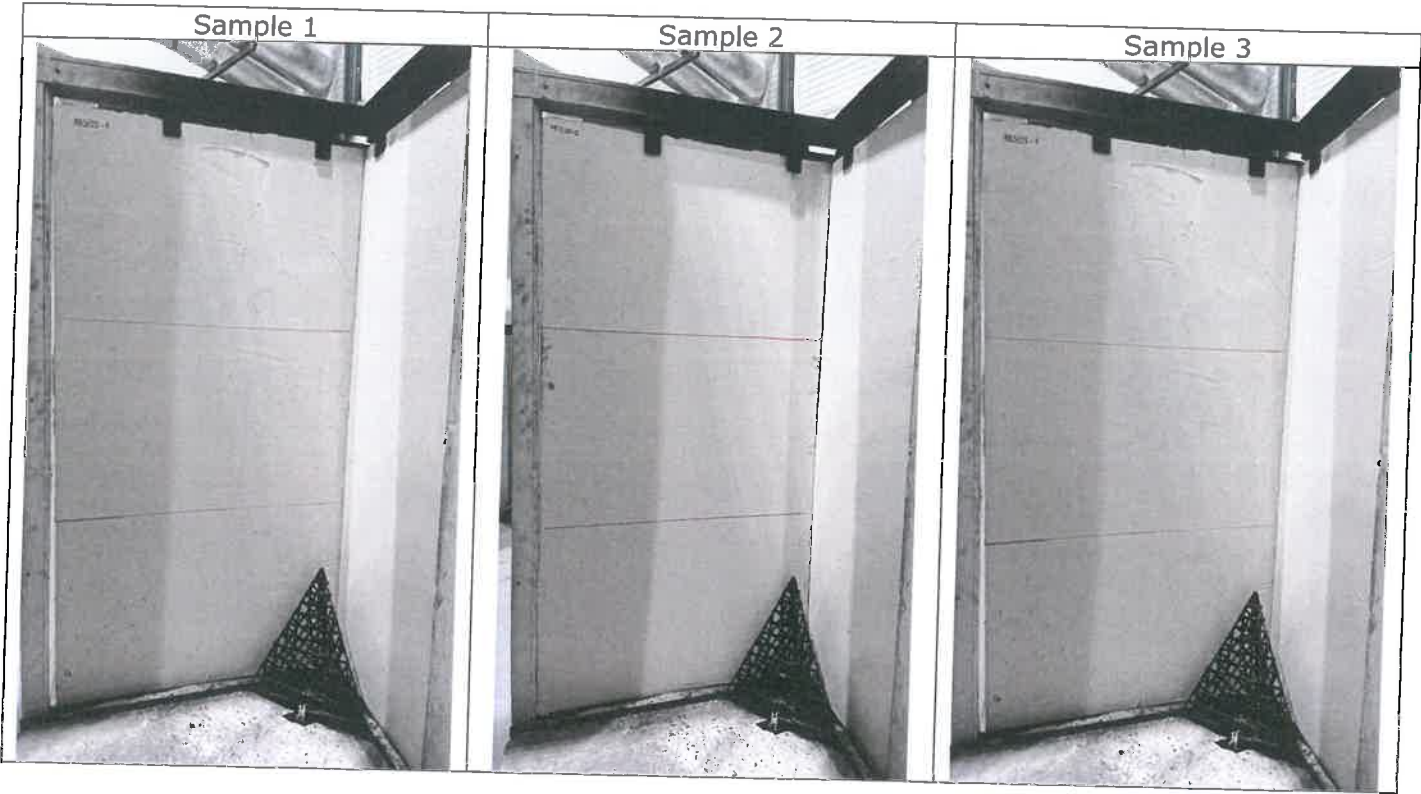
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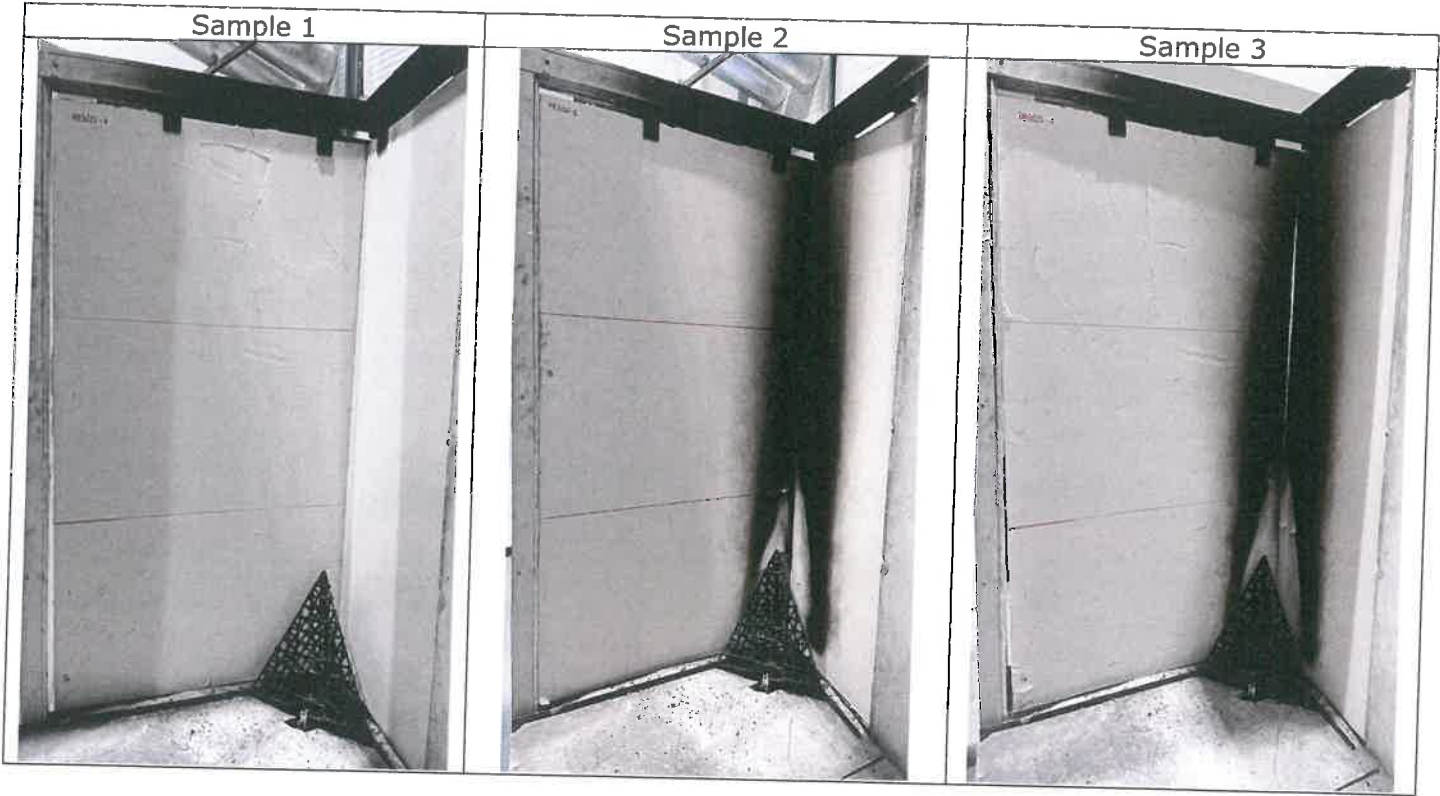
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View of the heated long wing surface



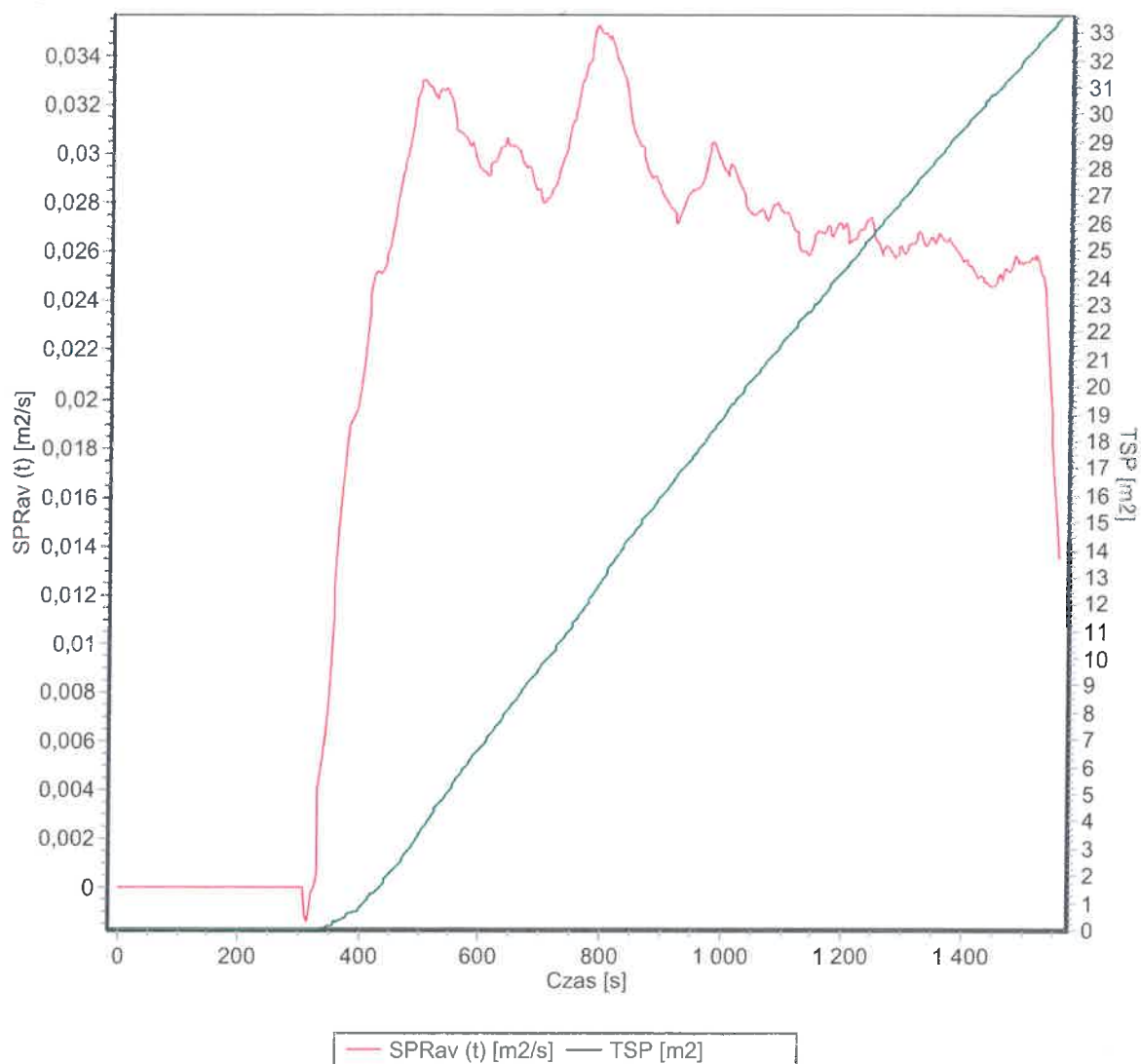
View of the vertical outer edge of a long wing of 500 mm above the floor of truck



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Identyfikator: SBI_25-10-14_3

Kraków, 25-10-14 08:58:40

Wykres SPR oraz TSP



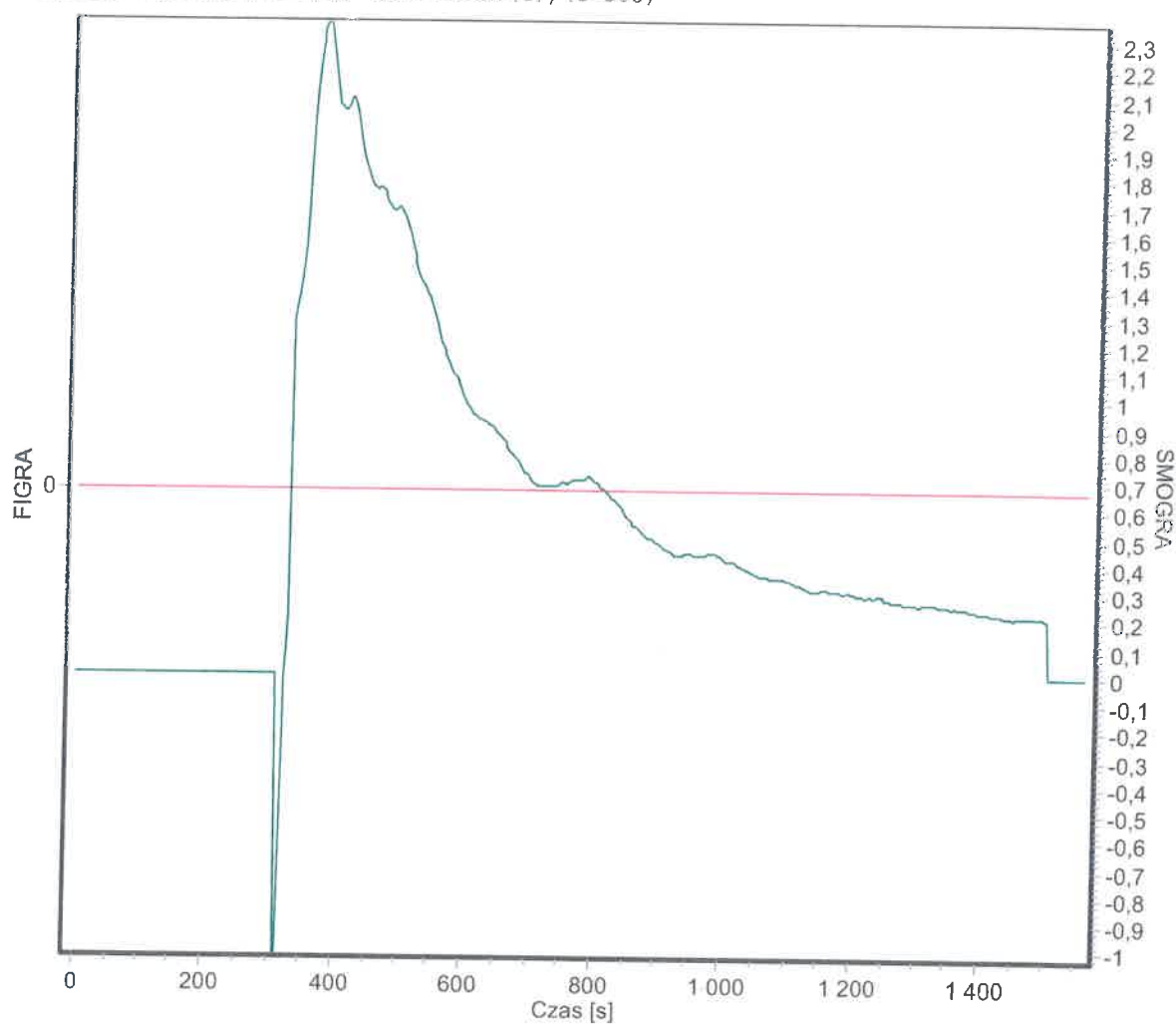
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Wykres $HRR_{av}(t)/(t-300)$ oraz $SPR_{av}(t)/(t-300)$



SMOGRA:

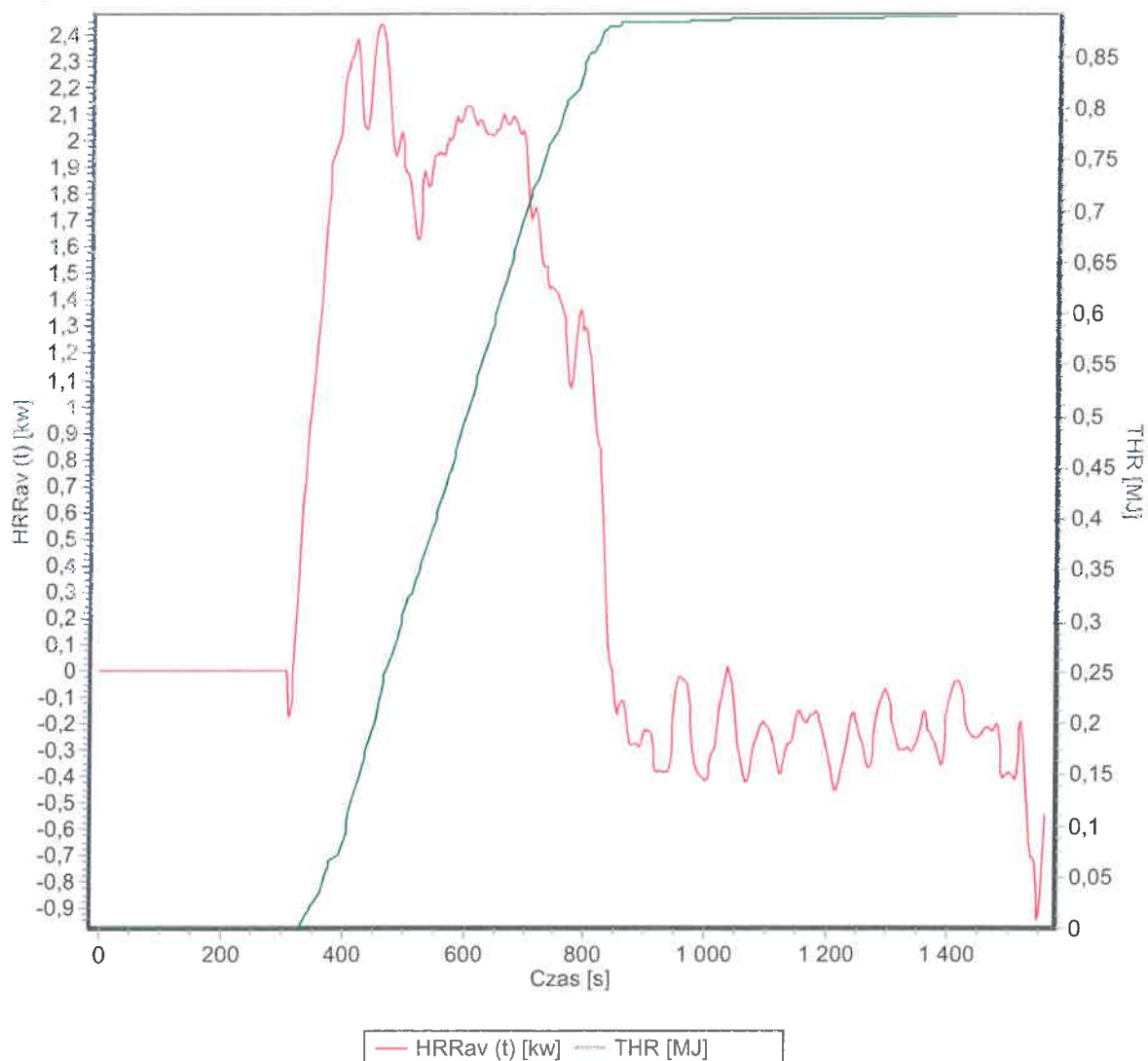
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Kraków, 25-10-14 08:58:40

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Wykres HRR oraz THR



THR 600s: 0,88 [MJ]

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END OF ANNEX 2



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Total numbers of
pages: 2

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Page 1st

SPONSOR

RIVER POWER, s.r.o., ul. Hlubinská 1378/36, 702 00 Ostrava, CZ

AGREEMENT

5L0206G5

TEST METHOD:

PN-EN ISO 11925-2:2020 Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test

**TEST
SAMPLE**
(Data based on a
statement
Customer)

Manufacturer	RIVER POWER, s.r.o.
Tested sample	PSC 1200T
Sample description	Construction of the test sample: 1 layer – paint – 1,0 mm 2 layer – base – plasterboard – 12,5 mm
	Total thickness of the sample: 13,5 mm
	Description of substrate and fixing to the substrate: The product tested on the calcium silicate board according to with EN 13238:2011
Data on the sampling plan	N/A
Method of sampling	N/A
Date and place of sampling	N/A
Sampling by	N/A

Date of delivered samples	10.09.2025 (Registration numer 783/25)
Details of conditioning	Storage of the samples in accordance with PN-EN 13238:2011, p. 4.2.
Date of testing	16.10.2025 – 17.10.2025

Total numbers of pages: 2		Test report No. 1334/25/KG					Page 2 nd
RESULTS							
No.	Characteristics	Action Surface – duration of exposure 30 s					
		Test sample 1	Test sample 2	Test sample 3	Test sample 4	Test sample 5	Test sample 6
1.	Ignition of sample	No	No	No	No	No	No
2.	Range of flame above 150 mm above the point of application of the flame	No	No	No	No	No	No
3.	Time of flame above 150 mm	-	-	-	-	-	-
4.	Flaming droplets and particles which are the cause ignition of the filter paper	No	No	No	No	No	No
No.	Characteristics	Action Surface – edge – duration of exposure 30 s					
		Test sample 1	Test sample 2	Test sample 3	Test sample 4	Test sample 5	Test sample 6
1.	Ignition of sample	Yes	Yes	Yes	Yes	Yes	Yes
2.	Range of flame above 150 mm above the point of application of the flame	No	No	No	No	No	No
3.	Time of flame above 150 mm	-	-	-	-	-	-
4.	Flaming droplets and particles which are the cause ignition of the filter paper	No	No	No	No	No	No
No.	Characteristics	Requirements for class B-s1,d0 by EN 13501-1					
1.	Range of flame above 150 mm above the point of application of the flame during 30 s	$F_s \leq 150$ mm during 60 s					
2.	Flaming droplets and particles which are the cause ignition of the filter paper	No flaming droplets and particles which are the cause ignition of the filter paper					
Observation							
Entrenchment of the specimen during action surface exposure. Entrenchment and charring of the specimen during surface-edge exposure.							
Comments:							
-							
The test results refer to the behavior of product samples for testing in specific test conditions; cannot be the only criterion for assessing a potential fire hazard. The results apply to test sample, only. Without written agreement of laboratory the test report can be copy entirely only.							
Kraków, 17.11.2025							

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