



Institut pro testování a certifikaci, a.s.
Divize CSI - Centrum stavebního inženýrství

Fire Technical Laboratory

**AUTHORIZED
BODY**

**NOTIFIED
BODY**

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

Applicant: Příhoda s.r.o.
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Product name: INSULATION

**Classification
report No.:** PK-21-116

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This classification report consists of 4 pages and may only be used or reproduced in its entirety.

1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product *INSULATION* is defined as a type of thermal insulation product according to CUAP N°12.01/16.

Description:

The product *INSULATION* is fully described in the test reports in support of the classification listed in clause 2.

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

Test reports

Name of laboratory	Name of sponsor	Test report ref. no.	Test method
CSI a.s., Fire technical laboratory	CSI a.s., Notified Body No. 1390	14949 – 2/2	EN ISO 11925-2
		14950 – 2/2	
		14949 – 1/2 14950 – 1/2 16/330/P080	EN 13823
ITC a.s. divize CSI, Fire technical laboratory	Příhoda s.r.o.	21/P319	ČSN EN 13823

Measured values and test results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
EN ISO 1925-2 Appendix A thickness = 60 mm	$F_s \leq 150$ mm ignition of the filter paper	6	yes	yes (B to D)
		6	no	no (d0)
EN ISO 1925-2 Appendix A thickness = 180 mm	$F_s \leq 150$ mm ignition of the filter paper	6	yes	yes (B to D)
		6	no	no (d0)
EN 13823 thickness = 30 mm	$FIGRA_{0,2 MJ}$ (W/s)	1	5,1	≤ 120 (B)
	$LFS < edge$	1	yes	yes (B)
	$THR_{600 s}$ (MJ)	1	0,8	$\leq 7,5$ (B)
	$SMOGRA$ (m ² /s ²)	1	0	≤ 30 (s1)
	$TSP_{600 s}$ (m ²)	1	10,0	≤ 50 (s1)
	flaming droplets / particles	1	no	no (d0)
EN 13823 thickness = 60 mm	$FIGRA_{0,2 MJ}$ (W/s)	3	30,6	≤ 120 (B)
	$LFS < edge$	3	yes	yes (B)
	$THR_{600 s}$ (MJ)	3	3,4	$\leq 7,5$ (B)
	$SMOGRA$ (m ² /s ²)	3	0	≤ 30 (s1)
	$TSP_{600 s}$ (m ²)	3	28,9	≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)
EN 13823 thickness = 180 mm	$FIGRA_{0,2 MJ}$ (W/s)	3	80,8	≤ 120 (B)
	$LFS < edge$	3	yes	yes (B)
	$THR_{600 s}$ (MJ)	3	7,2	$\leq 7,5$ (B)

	SMOGRA (m ² /s ²)	3	17,0	≤ 30 (s1)
	TSP _{600 s} (m ²)	3	153,9	≤ 200 (s2)
	flaming droplets / particles	3	no	no (d0)
EN 13823 thickness = 30 mm tested on 1 st July 2021	FIGRA _{0,2 MJ} (W/s)	1	67,0	≤ 120 (B)
	LFS < edge	1	yes	yes (B)
	THR _{600 s} (MJ)	1	1,3	≤ 7,5 (B)
	SMOGRA (m ² /s ²)	1	0	≤ 30 (s1)
	TSP _{600 s} (m ²)	1	20,3	≤ 50 (s1)
	flaming droplets / particles	1	no	no (d0)

3. Classification and direct field of application

Reference and direct field of application

This classification has been carried out in accordance with the clause 11.6, 11.9.3. and 11.10.1 of ČSN EN 13501-1:2019.

Classification

The product *INSULATION*, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets/particles is:

d0

The format of the reaction to fire classification for *INSULATION* is:

Fire behaviour		Smoke production			Flaming droplets	
B	-	s	2	,	d	0

Reaction to fire classification: B-s2, d0

Field of application

This classification is also valid for the following product parameters:

- Thickness: 30 to 180 mm

4. LIMITATIONS**Restrictions**

This classification report is valid, provided that the technical specifications of the product will not be changed.

Warning

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

Prepared:



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Reviewed:



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