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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

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Product name: *Acoustic air purifying ceiling tiles*

**Classification
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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product, *Acoustic air purifying ceiling tiles*, is defined as a type of sound damping product.

Description:

The product *Acoustic air purifying ceiling tiles* 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	Concordia N.V.	20/P660	ČSN EN ISO 11925-2
		20/P661	ČSN EN 13823

Measured values and test results:

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 11925-2 exposition = 30 s surface flame attack	$F_s \leq 150$ mm ignition of filter paper	6	yes	yes (B - D)
		6	no	no (d0)
ČSN EN ISO 11925-2 exposition = 30 s edge flame attack	$F_s \leq 150$ mm ignition of filter paper	6	yes	yes (B - D)
		6	no	no (d0)
ČSN EN 13823	$FIGRA_{0,2 MJ}$ (W/s)	3	109,3	≤ 120 (B)
	$LFS < edge$	3	yes	yes (B,C)
	$THR_{600 s}$ (MJ)	3	3,2	$\leq 7,5$ (B)
	$SMOGRA$ (m^2/s^2)	3	8,2	≤ 30 (s1)
	$TSP_{600 s}$ (m^2)	3	47,3	≤ 50 (s1)
	flaming droplets / particles	3	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, 11.9.2 and 11.10.1 of ČSN EN 13501-1:2019.

Classification

The product *Acoustic air purifying ceiling tiles*, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for *Acoustic air purifying ceiling tiles* is:

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

Reaction to fire classification: B-s1, d0**Field of application:**

This classification is valid for the following end use conditions:

- Mechanically fixed on the substrates of reaction to fire class A1 or A2-s1, d0.
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This classification is also valid for the following product parameters:

- Thickness \leq 30 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:		Reviewed:
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