



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: RDacoustic s.r.o.
Svazarmovská 1011
75 661 Rožnov pod Radhoštěm
Czech Republic

Prepared by: Institut pro testování a certifikaci, a.s.
Divize CSI – Centrum stavebního
inženýrství
Pražská 16
102 00 Praha 10
Czech Republic

Product name: Acoustic panel Silentmax 12mm

**Classification
report No.:** PK-22-057

Issue number: 1/2

Date of issue: 4th April 2022

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 *Acoustic panel Silentmax 12mm* is defined as a type of material for acoustic application.

Description:

The product *Acoustic panel Silentmax 12mm* 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
ITC, a.s., Divize CSI, AZL 1007.4	RDacoustic s.r.o.	22/P125	ČSN EN ISO 11925-2
		22/P126	ČSN EN 13823

Measured values

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
EN ISO 11925-2 exposition = 30 s surface flame attack	$F_s \leq 150$ mm ignition of the filter paper	6	yes	yes (B to D)
		6	no	yes (d2)
EN ISO 11925-2 exposition = 30 s edge flame attack	$F_s \leq 150$ mm ignition of the filter paper	6	yes	yes (B to D)
		6	no	yes (d2)
ČSN EN 13823	$FIGRA_{0,4 MJ}$ (W/s)	3	178,4	≤ 250 (C)
	$LFS < edge$	3	yes	yes (B, C)
	$THR_{600 s}$ (MJ)	3	4,5	$\leq 7,5$ (B)
	$SMOGRA$ (m ² /s ²)	3	11,0	≤ 30 (s1)
	$TSP_{600 s}$ (m ²)	3	42,9	≤ 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 11.5, 11.9.2. and 11.10.1 of ČSN EN 13501-1:2019.

Classification

The product *Acoustic panel Silentmax 12mm*, in relation to its reaction to fire behaviour is classified:

C

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 panel Silentmax 12mm* is:

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

Reaction to fire classification: C-s1, d0

Field of application

This classification is valid for the following end use conditions:

- Freely laid or mechanically fixed on the substrates of reaction to fire class A1 or A2 – s1, d0.

This classification is also valid for the following product parameters:

- Total thickness ≤ 12 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:



.....
Jiří Socha



Reviewed:



.....
Vít Slaboch
head of laboratory