



**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: DI Dekodur GmbH & Co KG
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Product name: deko FireSafe Protection board A2, s1,
d0 Aluminium Surface

**Classification
report No.:** PK-24-226

Issue number: 1/2

Date of issue: 21st November 2024

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1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product *Deko FireSafe Protection board A2, s1, d0 Aluminium Surface* is defined as a type of composite cladding board.

Description:

The product *Deko FireSafe Protection board A2, s1, d0 Aluminium Surface* 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
MPA Desden GmbH	Dekodur GmbH & Co. KG	20151295/02.1 2007-B-0172/2-1	EN ISO 1716
ITC, a.s., Divize CSI, Fire technical laboratory	DI Dekodur GmbH & Co KG	24/P510	ČSN EN 13823

Measured values

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
EN ISO 1716	PCS (MJ/kg) ⁽¹⁾	3	2,06	≤ 3,0 (A2)
	PCS (MJ/kg) ⁽²⁾		2,08	≤ 3,0 (A2)
	PCS (MJ/kg) ⁽³⁾		2,18	≤ 3,0 (A2)
	PCS (MJ/m ²) ⁽⁴⁾		0	≤ 4,0 (A2)
	PCS (MJ/m ²) ⁽⁵⁾		0,98	≤ 4,0 (A2)
ČSN EN 13823	FIGRA _{0,2 MJ} (W/s)	3	22,5	≤ 120 (A2)
	LFS < edge	3	yes	yes (A2)
	THR _{600 s} (MJ)	3	1,4	≤ 7,5 (A2)
	SMOGRA (m ² /s ²)	3	0	≤ 30 (s1)
	TSP _{600 s} (m ²)	3	15,2	≤ 50 (s1)
	flaming droplets / particles	3	no	no (d0)

(1): for the product as whole, thickness 1,8 mm

(2): for the product as whole, thickness 2,2 mm

(3): Core Layer – substantial component

(4): Aluminium – external non substantial component

(5): adhesive Hensomastik K2000 - non substantial component

3. Classification and direct field of application

Reference and direct field of application

This classification has been carried out in accordance with the clause 11.7.3, 11.9.2 and 11.10.1 of ČSN EN 13501-1:2019.

Classification

The product *Deko FireSafe Protection board A2, s1, d0 Aluminium Surface*, in relation to its reaction to fire behaviour is classified:

A2

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 *Deko FireSafe Protection board A2, s1, d0 Aluminium Surface* is:

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

Reaction to fire classification: A2-s1, d0

Field of application

This classification is valid for the following product parameters:

- Thickness: (1,80 – 2,20) mm

This classification is valid for the following end use conditions:

- Attached to substrates of reaction to fire class A1
- Fixing method: Attached to substrate using Hensomastik K2000 adhesive (application weight of adhesive: 400 g/m²)

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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