



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: Magic Stone Green Building Material Co.,
Ltd.
Flat/RM 03 10/F Witty Comm Bldg 1A-1L
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Product name: Magic Coverings - Modified Clay Material

**Classification
report No.:** PK-25-079

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be used or reproduced in its entirety.

1. DETAILS OF CLASSIFIED PRODUCT

Nature and end use application:

The product *Magic Coverings - Modified Clay Material* is defined as the type of decorative cladding material.

Description:

The product *Magic Coverings - Modified Clay Material* 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	ITC a.s. Unit 520	25/P221	ČSN EN 13823
		25/P222	ČSN EN ISO 1716

Measured values and results of tests

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
ČSN EN ISO 1716	PCS (MJ/kg)	3	1,32	≤ 3 (A2)
ČSN EN 13823	FIGRA _{0,2 MJ} (W/s)	3	104,5	≤ 120 (A2, B)
	LFS < edge		yes	yes (A2 to C)
	THR _{600 s} (MJ)		1,3	≤ 7,5 (A2, B)
	SMOGR _A (m ² /s ²)	3	0	≤ 30 (s1)
	TSP _{600 s} (m ²)		26,6	≤ 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 11.7.2 of ČSN EN 13501-1:2019.

Classification

The product *Magic Coverings - Modified Clay Material*, 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 *Magic Coverings - Modified Clay Material* 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 also valid for the following product parameters:

- Thickness ≤ 4 mm

This classification is valid for the following end use conditions:

- Product mechanically fixed or glued with a non-combustible adhesive (for example cement based adhesive) to a gypsum plasterboard substrate or any substrate of reaction to fire class A1 or A2-s1, d0 of density at least 525 kg/m^3 .

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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head of laboratory