



**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:** Greenlam Industries Limited  
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**Product name:** *Compact laminate for external claddings,  
type: EDF*

**Classification  
report No.:** PK-21-098

**Issue number:** 1/2

**Date of issue:** 16<sup>th</sup> June 2021

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## 1. DETAILS OF CLASSIFIED PRODUCT

### Nature and end use application:

The product, *Compact laminate for external claddings, type: EDF*, is defined as a type of HPL composite panel according to ČSN EN 438-6.

### Description:

The product *Compact laminate for external claddings, type: EDF* 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 No. 1007.4	ITC a.s., unit 250	21/P273	ČSN EN ISO 11925-2
		21/P274	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	$F_s \leq 150 \text{ mm}^{(1)}$	6	yes	yes (B to D) no (d0)
	ignition of the filter paper <sup>(1)</sup>	6	no	
	$F_s \leq 150 \text{ mm}^{(2)}$	6	yes	
	ignition of the filter paper <sup>(2)</sup>	6	no	
ČSN EN 13823	$FIGRA_{0,2 \text{ MJ}}$ (W/s)	3	81,5	$\leq 120$ (B)
	$LFS > \text{edge}$	3	no	no (B)
	$THR_{600 \text{ s}}$ (MJ)	3	3,3	$\leq 7,5$ (B)
	$SMOGRA$ (m <sup>2</sup> /s <sup>2</sup> )	3	1,6	$\leq 30$ (s1)
	$TSP_{600 \text{ s}}$ (m <sup>2</sup> )	3	20,7	$\leq 50$ (s1)
	flaming droplets / particles	3	no	no (d0)

(1): surface flame attack, exposition = 30 s

(2): edge flame attack, exposition = 30 s

## 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 *Compact laminate for external claddings, type: EDF*, 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 *Compact laminate for external claddings, type: EDF* 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 also valid for the following product parameters:

- thickness  $\geq$  6 mm

This classification is valid for the following end use conditions:

- valid for interior and exterior applications
- supporting frame: valid for wood-based frame or any other frames (for example aluminium or steel frame)
- fixing: valid for fixing spacing up to 800 mm
- valid for identical type of panel, applied without horizontal joints or with any closed type of horizontal joint

**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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