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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**

**Applicant:** Samrat Plywood Limited  
Village Birplassi, Nalagarh  
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India

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**Product name:** *EGF/EDF - SAMRAT PLYWOOD  
LIMITED - compact laminates for  
external wall and ceiling finishes*

**Classification  
report No.:** PK-26-023

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## 1. DETAILS OF CLASSIFIED PRODUCT

### Nature and end use application:

The product, *EGF/EDF - SAMRAT PLYWOOD LIMITED - compact laminates for external wall and ceiling finishes*, is defined as a type of HPL composite panel according to ČSN EN 438-7.

### Description:

The product *EGF/EDF - SAMRAT PLYWOOD LIMITED - compact laminates for external wall and ceiling finishes* 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 520	25/P691	ČSN EN ISO 11925-2
		25/P692	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	$FIGRA_{0,2 \text{ MJ}} \text{ (W/s)}$	3	54,7	$\leq 120 \text{ (B)}$
	$LFS > \text{edge}$	3	no	no (B, C)
	$THR_{600 \text{ s}} \text{ (MJ)}$	3	4,1	$\leq 7,5 \text{ (B)}$
	$SMOGRA \text{ (m}^2/\text{s}^2\text{)}$	3	1,9	$\leq 30 \text{ (s1)}$
	$TSP_{600 \text{ s}} \text{ (m}^2\text{)}$	3	19,3	$\leq 50 \text{ (s1)}$
	flaming droplets / particles	3	no	no (d0)

(1): surface exposure, exposition = 30 s

(2): edge exposure, 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 *EGF/EDF - SAMRAT PLYWOOD LIMITED - compact laminates for external wall and ceiling finishes*, 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 *EGF/EDF - SAMRAT PLYWOOD LIMITED - compact laminates for external wall and ceiling finishes* 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

**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:

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head of laboratory