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**STRIX Chomutov, a.s.**

Dušan Dufka

28. října 1081

430 01 Chomutov

DOŠLO

01.07.2019

VĚC: Zaslání protokolů

V příloze Vám zasíláme ve dvojitě vyhotovení:

Protokol o klasifikaci č.

- PK1-01-18-094-E-0

Zakázka č. Z210190213 (Z210180473).

S pozdravem

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*Autorizovaná osoba AO 216*  
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**PAVUS, a.s.**

AUTHORIZED BODY 216  
NOTIFIED BODY 1391  
ACCREDITED CERTIFICATION BODY FOR  
PRODUCTS CERTIFICATION N° 3041

Branch: FIRE TESTING LABORATORY  
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## REACTION TO FIRE CLASSIFICATION REPORT

Object of classification: *Construction products excluding floorings and linear pipe thermal insulation products in accordance with ČSN EN 13501-1+A1:2010, čl.11*

Classification report  
No.:

**PK1-01-18-094-E-0**

Product name:

*High strength composite board PREFASTRIX*

Sponsor:

**STRIX Chomutov, a.s.**  
28. října 1081/19  
430 01 Chomutov  
Czech Republic

Prepared by:

PAVUS, a.s.  
Authorised body AO 216  
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## 1. INTRODUCTION

- 1.1. This classification report defines the classification assigned to *High strength composite board PREFASTRIX* in accordance with the procedures given in ČSN EN 13501-1+A1:2010.
- 1.2. This classification report consists of four pages and may only be used or reproduced in its entirety.

## 2. DETAILS OF CLASSIFIED PRODUCT

### 2.1. General

The product *High strength composite board PREFASTRIX* is produced by the company PREFAKOMPOZITY, a.s., Kulkova 4231/10, Židenice, 615 00 Brno, Czech Republic. The boards are used for a high strength and ballistic applications with the emphasis on reduced flammability.

### 2.2. Product description

Thickness: 12 mm  
 Mass per unit area: 25 kg/m<sup>2</sup>  
 Density: 2.1 g/cm<sup>3</sup>  
 Composition: glass-fibre reinforced polymer resin in fabric form, reinforcement content (50+70) %, physical flame retardants

## 3. REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

### 3.1. Reports

Name of Laboratory Address Accreditation No.	Name of sponsor	Report ref. No. Date of issue	Test method and date Field of application rules and date
PAVUS, a. s. Veselí nad Lužnicí ATL No. 1026	STRIX Chomutov, a.s. 28. října 1081/19 430 01 Chomutov Czech Republic	Pr-18-1.264 2018-12-27	ČSN EN 13823+A1:2018
		Pr-18-1.265 2018-12-27	ČSN EN ISO 11925-2:2011

### 3.2. Results

Test method	Parameter	No. Tests	Results	
			Continuous parameter - mean	Compliance with parameters
ČSN EN ISO 11925-2 Exposure = 30 s according to cl. 7.3.3.1	$F_s \leq 150$ mm do 60 s No ignition of the paper	6	- -	yes (B) yes (d0)

Test method	Parameter	No. Tests	Results	
			Continuous parameter - mean	Compliance with parameters
ČSN EN ISO 11925-2 Exposure = 30 s according to cl. 7.3.3.2	$F_s \leq 150 \text{ mm do } 60 \text{ s}$ No ignition of the filter paper	6	- -	yes (B) yes (d0)
ČSN EN 13823+A1	FIGRA <sub>0.2MJ</sub> (W/s) THR <sub>600s</sub> (MJ) LFS < edge of specimen SMOGRA (m <sup>2</sup> /s <sup>2</sup> ) <sup>1)</sup> TSP <sub>600s</sub> (m <sup>2</sup> ) <sup>1)</sup> No flaming droplets/particular	3	20.4 2.3 - 2.4 33.4 -	≤ 120 (B) ≤ 7.5 (B) yes (B) ≤ 30 (s1) ≤ 50 (s1) yes (d0)

<sup>1)</sup> The alternative method of smoke calculation according to ČSN EN 13823+A1:2018, Annex A, cl. A.6.1.2., Note is used

#### 4. CLASSIFICATION AND FIELD OF APPLICATION

##### 4.1. Reference of Classification

This classification has been carried out in accordance with ČSN EN 13501-1+A1:2010.

##### 4.2. Classification

The product *High strength composite board PREFASTRIX* in relation to its reaction to fire behaviour is classified:

**Reaction to fire classification: B – s1, d0**

##### 4.3. Field of application

This classification is valid for the following product parameters:

Composition: cannot be changed  
 Ingredients ratio: it is possible to increase the proportion of glass-fibre reinforcement fabric and the proportion of flame retardants at the expense of polymer resin  
 Mass per unit area: 26.5 kg/m<sup>2</sup> and more  
 Thickness: 12 mm and more  
 Surface facing: without surface facing

The classification is valid for the following end use applications:

Joints: horizontal tight butt joints  
 Substrate: freely placed product without substrate or with a substrate of A1 reaction to fire class fixed by attaching parts of A1 reaction to fire class

## 5. LIMITATIONS

his classification document does not represent type approval or certification of the product.

This classification is valid, unless the conditions, under which it was issued, have been changed. The sponsor may request the issuing authority to review the influence of changes to the classification validity.

*Elaborated by:*



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Jaroslav Dufek

