



## PAVUS, a.s.

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ACCREDITED CERTIFICATION BODY FOR  
PRODUCTS CERTIFICATION N° 3041

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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 EN 13501-1:2018, cl. 11*

**Classification report No:**

**PK1-01-20-065-E-0**

**Type and product name:** *Waterproofing and protection coating PASSIVE PURPLE EXTERNAL*

**Sponsor:**

**Intelligent Membranes Ltd**  
Clopton Farm  
Lower Road  
Croydon  
SG 80EF  
Cambridgeshire  
United Kingdom

**Prepared by:**

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Authorized body AO 216  
Notified body 1391  
Accredited certification body for products certification No. 3041  
– Accreditation issued by Czech Accreditation Institute,  
Public Service,  
– Certificate of Accreditation No. 310/2020  
Prosecká 412/74  
190 00 PRAHA 9  
Order No. Z210200349

**Date of issue:**

2020-11-09

**Copies in total:**

3

**Issue number:**

1

**Pages in total:**

3

## 1. INTRODUCTION

- 1.1. This classification report defines the classification assigned to *PASSIVE PURPLE EXTERNAL* in accordance with the procedures given in EN 13501-1:2018.
- 1.2. This classification report consists of 3 pages and may only be used or reproduced in its entirety.

## 2. DETAILS OF CLASSIFIED PRODUCT

### 2.1. General

The product *PASSIVE PURPLE EXTERNAL* is supplied by company Intelligent Membranes Ltd, Clopton Farm, Croydon, SG 80EF, Cambridgeshire, United Kingdom. It is a ready-to-use coating based on specific pure acrylate polymer dispersions, that after application with an airless spray device or paintroll, dries to a durable, flexible, watertight, rainproof, weatherproof, UV resistant, airtight and vapour breathable membrane. It is applied in two layers.

### 2.2. Product description

Colour: purple  
 Coating density: (1.2 - 1.3) kg/l  
 Total indicative consumption: 0.75 kg/m<sup>2</sup>  
 Solids: > 50 %

## 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	Intelligent Membranes Ltd Clopton Farm, Lower Road, Croydon, SG 80EF, Cambridgeshire United Kingdom	Pr-20-1.219-En 2020-11-06	EN ISO 11925-2:2020 EN 13238:2010
		Pr-20-1.220-En 2020-11-06	EN 13823:2020 EN 13238:2010

### 3.2. Results

Test method	Parameter	No. Tests	Results	
			Continuous parameter - mean	Compliance with parameters
EN ISO 11925-2 Exposure = 30 s according to cl. 7.3.3.1	F <sub>s</sub> ≤ 150 mm within 60 s No ignition of the filter paper	6	- -	yes (B) yes (d0)
EN ISO 11925-2 Exposure = 30 s according to cl. 7.3.3.2	F <sub>s</sub> ≤ 150 mm within 60 s No ignition of the filter paper	6	- -	yes (B) yes (d0)

Test method	Parameter	No. Tests	Results	
			Continuous parameter - mean	Compliance with parameters
EN 13823	FIGRA <sub>0,2MJ</sub> (W/s)	3	90.3	≤ 120 (B)
	THR <sub>600s</sub> (MJ)		1.4	≤ 7.5 (B)
	LFS < edge of specimen		-	yes (B)
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )		0.0	≤ 30 (s1)
	TSP <sub>600s</sub> (m <sup>2</sup> )		12.4	≤ 50 (s1)
	No flaming droplets/ particles		-	yes (d0)

#### 4. CLASSIFICATION AND FIELD OF APPLICATION

##### 4.1. Reference of Classification

This classification has been carried out in accordance with EN 13501-1:2018.

##### 4.2. Classification

The product *PASSIVE PURPLE EXTERNAL* 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:

Product composition and ratio of components: cannot be changed  
 Thickness of wet layer: no more than 640 µm  
 Mass of wet layer: no more than 0.8 kg/m<sup>2</sup>

The classification is valid for the following end use applications:

Substrate: substrates of reaction to fire class A1 and density at least of 653 kg/m<sup>3</sup>

#### 5. LIMITATIONS

This 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:*

*Approved by:*

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