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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:

PK1-01-20-061-E-1

Type and product name: *Airtight vapour control coating PASSIVE PURPLE / AIRTIGHT WHITE*

Sponsor:

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

Prepared by:

PAVUS, a.s.
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1. INTRODUCTION

- 1.1. This classification report defines the classification assigned to *PASSIVE PURPLE / AIRTIGHT WHITE* in accordance with the procedures given in EN 13501-1:2018.
- 1.2. This classification report consists of 4 pages and may only be used or reproduced in its entirety.
- 1.3. This classification report replaces and cancels the Classification Report No. PK1-01-20-061-E-0 from 2020-11-04.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General

The product *PASSIVE PURPLE / AIRTIGHT WHITE* is supplied by company Intelligent Membranes Ltd, Clopton Farm, Croydon, SG 80EF, Cambridgeshire, United Kingdom. It is an airtight vapour control coating.

2.2. Product description

| | |
|-------------------------|---|
| Colour: | <i>PASSIVE PURPLE</i> purple, <i>AIRTIGHT WHITE</i> white |
| Composition: | waterbased coating; the formulations of <i>PASSIVE PURPLE</i> and <i>AIRTIGHT WHITE</i> are identical, except for 0.8 % of violet pigment which is part of the formulation of <i>PASSIVE PURPLE</i> and which is not in <i>AIRTIGHT WHITE</i> . |
| Coating density: | (1.2 ± 0.1) kg/l |
| Solids: | 58 % |
| Mass of wet layer: | 800 g/m ² |
| Thickness of wet layer: | ca. 650 µm |
| Thickness of dry layer: | 460 µm |

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-20-1.216-En 2020-11-03 | EN 13823:2010+A1:2014 EN 13823:2020 EN 13238:2010 |
| | | Pr-20-1.217-En 2020-11-03 | EN ISO 11925-2:2020 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 | $F_s \leq 150$ mm within 60 s No ignition of the filter paper | 6 | - - | yes (B, C) yes (d0) |
| EN ISO 11925-2 Exposure = 30 s according to cl. 7.3.3.2 | $F_s \leq 150$ mm within 60 s No ignition of the filter paper | 6 | - - | yes (B, C) yes (d0) |
| EN 13823 | FIGRA _{0.2MJ} (W/s) FIGRA _{0.4MJ} (W/s) THR _{600s} (MJ) LFS < edge of specimen SMOGR ¹⁾ (m ² /s ²) TSP _{600s¹⁾} (m ²) No flaming droplets/ particles | 3 | 147.7 145.6 2.1 - 15.1 36.3 - | is not ≤ 120 (B) ≤ 120 (C) ≤ 7.5 (B) yes (B, C) ≤ 30 (s1) ≤ 50 (s1) 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 / AIRTIGHT WHITE* in relation to its reaction to fire behaviour is classified:

Reaction to fire classification: C – 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 ca. 650 μ m
 Mass of wet layer: no more than 800 g/m²
 Thickness of dry layer: no more than 460 μ m

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/m³

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:



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