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ITB – Instytut Techniki Budowlanej – Building Research Institute

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CLASSIFICATION IN TERMS OF REACTION TO FIRE acc. to PN-EN 13501-1:2019

Contract No.: 06087/19/R28NZP

Client:	**Decora S.A.** **ul. Prądzyńskiego 24** **63-000 Środa Wielkopolska, Poland**
Prepared by:	**Fire Research Department of the Building Research Institute** **ul. Filtrowa 1** **00-611 Warszawa, Poland**
Product name:	**PUM underlays with adhesive film**
Classification report No.:	**06087.3/19/R28NZP**
Revision No.: 1	**Copy No. 1**
Date of issue:	**28/5/2019**

This classification report consists of three pages, and it can only be used or copied in its entirety.

1. Introduction

This classification report specifies the classification for PUM underlays with adhesive film in accordance with the procedures included in PN-EN 13501-1:2019.

2. Specific information about the classified product

PUM underlays with an adhesive film for floor panels.

Product description

The product has been described below.

PUM underlays with an adhesive film:

The polyurethane-mineral underlay with an adhesive film has the following parameters:

Thickness: 1,8 mm (±0.2 mm)
Density: approx. 1350 kg/m³ ± 30%

The underlays are manufactured at the manufacturing plant of Decora S.A., ul. Prądzyńskiego 24, 63-000 Środa Wielkopolska, Poland.

3. Test reports and test results used for classification

3.1 Test reports

Name of the laboratory	Name of the Client	Test report No.	Testing method
Fire Testing Laboratory of the Building Research Institute	Decora S.A.	LZP05-06087/19/R28NZP	PN-EN ISO 9239-1:2010
		LZP10-06087/19/R28NZP	PN-EN ISO 11925-2:2010

-/-

3.2 Test results

Testing method	Parameter	Number of tests	Results	
			Continuous parameter – average value (m)	Conformity to the parameter
PN-EN ISO 9239-1:2010	Critical radiant flux (kW/m^2)	3	10.0	(-)
	Smoke production (% • min)	3	15.5	(-)
PN-EN ISO 11925-2:2010 15-s exposure	$F_s \leq 150$ mm	6	(-)	Y

(-): not applicable, Y: YES, N: NO

4. Classification and its applicability

4.1 Referring to the classification

The classification has been determined in accordance with PN-EN 13501-1:2019.

4.2 Classification

With regards to reaction to fire, the PUM underlay with an adhesive layer has been classified as follows:

B_{fl}

In terms of smoke production, the product has been additionally classified as follows:

s1

The format of the classification for reaction to fire for floors is as follows:

Fire resistance		Smoke production	
B_{fl}	**-**	**s**	**1**

i.e.: B_{fl}-s1

Classification in terms of reaction to fire: B_{fl}-s1

This classification is applicable to the end uses in accordance with the technical requirements for buildings and their location as for a "not-easily-ignitable" floor in accordance with the Regulation of the Minister of Infrastructure of 12 April 2002 (Journal of Laws No. 75, item 690, as amended).

4.3 Applicability

This classification is applicable to the following parameters of the product:

- product description in accordance with section 2.

5. Limitations

The classification shall remain valid until:

- the testing method is changed,
- the product standard or technical approval for the product is changed,
- changes of the design and materials exceed the scope of application defined in section 4.3.

This classification report has been issued in 3 copies (2 for the Client, 1 for the archives of the Fire Research Department of the Building Research Institute). Certified copies may be issued by the Fire Research Department of the Building Research Institute only upon request of the Owner of the report.

This classification report is not an approval or certificate for the product.

Signed by

[illegible signature]

Eng. Robert Błajda, MSc

Approved by

[illegible signature]

Eng. Bartłomiej K. Papis, DSc

Head of the Fire Research Department of the Building Research Institute

END OF TRANSLATION

I, Katarzyna Kaczmarczyk, Certified Translator and Interpreter of the English Language, entered onto the list of certified translators and interpreters kept by the Minister of Justice under no. TP/740/05, hereby approve conformity of the present translation with the original document in the Polish language.