



SCIENTIFIC AND RESEARCH CENTRE
FOR FIRE PROTECTION
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LABORATORY OF COMBUSTION PROCESSES
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REACTION TO FIRE
CLASSIFICATION REPORT

No. 032/BW/23

Issue: II

*This Classification Report replaces
Classification Report 032/BW/23 of March 31, 2023.*

Copy 1/2

WYRÓB	Mardom Decor PolyForce Decorative strip
ZLECENIODAWCA WŁAŚCICIEL RAPORTU KLASYFIKACYJNEGO	Mardom Sp. z o.o. Ratajska 11a St. 91-231 Łódź
NR ZLECENIA	1194/BW/23

This classification report defines the classification assigned to product:
Mardom Decor PolyForce Decorative Strip
in accordance with the procedures given PN-EN 13501-1:2019-02

**This classification report consists of 4 pages and may only be
used or reproduced in its entirety**

Józefów, 3rd July 2023

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1. INTRODUCTION

This Classification Report replaces Classification Report 032/BW/23 dated of 31st March, 2023 in which the name of the product was changed to: Mardom Decor PolyForce decorative strip.

This classification report defines the classification assigned to product - **Mardom Decor PolyForce Decorative Strip** in accordance with the procedures given PN-EN 13501-1:2019-02.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. PRODUCT DESCRIPTION

Product: **Mardom Decor PolyForce (MD094) decorative strip** made of expanded polystyrene PolyForce-TDS, white, 100 mm high and 15 mm thick, fire-protected, covered with white water-based paint and fixed with screws on a gypsum board at a distance of approx. 50 mm from the ground.

Basic product data:

Weight of 1 meter of Mardom Decor PolyForce decorative strip (MD094) – 425 ± 25 g.

Material density – 450 kg/m^3 .

The detailed composition of the product is available to the Laboratory, reserved at the customer's request.

Information on the tested product provided by the Customer.

3. REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

3.1. REPORTS

Nazwa laboratorium	Nazwa zleceniodawcy	Raport z badań	Metoda badania
LABORATORY OF COMBUSTION PROCESSES AND EXPLOSIONS – BW	Mardom Sp. z o.o. Ratajska 11a St. 91-231 Łódź	849/BW/23	PN-EN 13823:2020-11
LABORATORY OF COMBUSTION PROCESSES AND EXPLOSIONS – BW	Mardom Sp. z o.o. Ratajska 11a St. 91-231 Łódź	849/BW/23	PN-EN ISO 11925-2:2020-09

3.2. WYNIKI BADAŃ

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
PN-EN 13823:2020-11	FIGRA _{0.2 MJ} (W/s)	3	21.2	(-)
	FIGRA _{0.4 MJ} (W/s)		20.7	(-)
	THR _{600s} (MJ)		2.3	(-)
	LFS < edge		(-)	Compliant
	SMOGRA (m ² /s ²)		3.5	(-)
	TSP _{600s} (m ²)		45.5	(-)
	Flaming droplets/particles		(-)	Compliant
PN-EN ISO 11925-2: 2020-09	Spreading the flames FS ≤ 150 mm	12	(-)	Compliant
	Flaming droplets/particles		(-)	Compliant
	Ignition of the filter paper +/-		(-)	Compliant

(-) – not applicable

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with PN-EN 13501-1:2019-02.

4.2. CLASSIFICATION

Products: Mardom Decor PolyForce Decorative Strip, described in point 2.1, **in relations to its reaction to fire behavior is classified:**

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

Fire behavior		Smoke production		Flaming droplets/particles	
		s	1	d	0
B	-	s	1	d	0

Reaction to fire classification:

B– s1, d0

4.3. FIELD OF APPLICATION

This classification applies to the following end-uses:

Wyrób: Mardom Decor PolyForce Decorative Strip, described in point 2.1 classification report and other decorative strips made of the same material with the same composition, density and maximum dimensions of: height 100 mm and thickness 15 mm, intended for use in construction as a product on a non-combustible substrate (at least class A2-sl, d0), mechanically fastened.


5. LIMITATION


5.1. RESERVATION

This classification report is valid till: indefinitely as long as there will be no changes in composition and production technology, method of manufacture and no changes to the normative test and classification methods.

5.2. WARNING

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


signature of person undertaking classification

KIEROWNIK
ZESPOŁU LABORATORIÓW BW
mł. bryg. mgr inż.  Wojciech Klapsa

signature of person authorizing this report

Jożefow, 3rd July 2023