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***REACTION TO FIRE
CLASSIFICATION REPORT
No. 105/BW/20***

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PRODUCT NAME	FYBATEX GRP panel (green colour)
SPONSOR	Smyth Composites Panmure Ind Estate Carnoustie, Angus, DD7 7NP Scotland, UK
ORDER No.	562/BW/20

This classification report defines the classification assigned to product:
FYBATEX GRP panel (green colour) in accordance with the procedures given
in PN-EN 13501-1:2019-02

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



Józefów, September 2020

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1. INTRODUCTION

This classification report defines the classification assigned to product: **FYBATEX GRP panel (green colour)** in accordance with the procedures given in PN-EN 13501-1:2019-02.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. PRODUCT DESCRIPTION

Product: FYBATEX GRP panels, manufactured by combining hundreds of thousands of glass strands with pigmented thermoset UV resins. Measured thickness: 8-10 mm, green coloured. Fixed on a non-flammable substrate (fiber cement board).

The product is manufactured using the following components:

- Powder bound chopped strand mat – 28%,
- Halogenated clear (non filled) fire retardant polyester resin with pigment – 71%,
- Catalyst/surface tissue/surface film – 1%.

The product is post cured in heated platon press for 5 hours and 85°C.

Information about product was provided by manufacturer.

Information on the tested sample was provided by the Manufacturer.

3. REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

3.1. TEST REPORTS

Name of Laboratory	Name of sponsor	Report ref. no.	Test method
COMBUSTION PROCESSES AND EXPLOSIONS LAB – BW	Z009 ¹	491/BW/20	EN ISO 9239-1:2010
COMBUSTION PROCESSES AND EXPLOSIONS LAB – BW	Z009	491/BW/20	EN ISO 11925-2:2010

¹ Full identification available with the consent of the report owner in the Laboratory.



3.2. RESULTS

Product tested: FYBATEX GRP panel (green colour)

Test method and test number	Parameter	No. of tests	Results	
			Continuous parameter - mean	Compliance with parameters
PN-EN ISO 11925-2010	Spread of Flame $F_s \leq 150 \text{ mm}$	6	(-)	Compliant
	Flaming droplets/particles		(-)	Compliant
	Ignition of filter paper		(-)	Compliant
PN-EN 9239-1:2010	CHF (kW/m^2)	3	10.1	(-)
	Smoke development $S_c (\% \text{ min})$		398.6	(-)

(-) – not applicable

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. REFERENCE OF CLASSIFICATION

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

4.2. CLASSIFICATION

The product: FYBATEX GRP panel (green colour), described in point 2.1 of this paper, in relations to its reaction to fire behavior is classified:

B_{fl}

The additional classification in relations to smoke production in:

s1

Fire behavior	Smoke production	
B _{fl}	s	1

Reaction to fire classification:

B_{fl}– s1,



4.3. FIELD OF APPLICATION

This classification is valid for the following product parameters:

Product: FYBATEX GRP panel (green colour), described in point 2.1 of this paper, can be used as a flooring product on the substrate in **reaction to fire class at least A2_{fl}-s1**.

5. LIMITATIONS

5.1. RESERVATION

This classification report is valid indefinitely, on condition that there will be no changes in the composition and production technology and the method of manufacture.

5.2. WARNING

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

Z-ca Kierownika
Zespołu Laboratoriów BW

Piotr Kukurowski
.....
signature of person undertaking classification

Wojciech Kłapsa
.....
mal. bryg. mgr inż. Wojciech Kłapsa
signature of person authorizing this report

Józefów, September 29th 2020