



le futur en construction

SAFETY, STRUCTURES AND FIRE DEPARTMENT

Reaction to Fire

REACTION TO FIRE CLASSIFICATION REPORT

No. RA17-0040

ACCORDING TO THE EUROPEAN STANDARD

NF EN 13501-1+A1:2013

Notification by the French Government to the European Commission under no. 0679

Seule la version française fait foi

The French version is legally acceptable

Product standard

NF EN 15102+A1:2011 "Decorative wallcoverings - Roll and panel form products"

Owner:	LCDA 8 rue Copernic 49240 AVRILLE FRANCE
Commercial brand(s):	PANBETON®
Manufacturing unit(s):	The manufacturing unit appears in the associated test report
Brief description:	Decorative wall Panel (see detailed description in paragraph 2)
Date of issue:	February 23rd, 2017

This classification report certifies only the characteristics of the object submitted for testing but does not prejudice the characteristics of similar products. So it does not constitute a product certification in the sense of Articles L 115-27 to L 115-33 and R 115-1 to R 115-3 of the Consumer Code.

If this report is being issued by e-mail and/or on an electronic medium, only the hard copy of the report signed by CSTB shall prevail in the event of a dispute.

The reproduction of this classification report is only authorised in its integral form.

It comprises 5 pages.

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1. Introduction

This classification report defines the classification assigned to the above-mentioned product(s) in accordance with the procedures given in the NF EN 13501-1+A1:2013 standard.

2. Product description

Wallcovering tested glued on A2-s1,d0 class paper-faced gypsum plasterboard substrate of thickness 12.5 ± 0.5 mm.

Panel consisting from the inside to the outside as follows:

- A glue referenced "ZWALUW® HYBRIFIX 550" made of hybrid polymer, applied at a rate of 0.65 cartridge (300 ml) per square meter.
- A panel referenced "WEDI® PANNEAU DE CONSTRUCTION" constituted of a core made of fire-retarded extruded polystyrene coated on both sides with a glass mesh (with primer) and with a mortar made of cement and fillers.
- A finish referenced "PREMIX A" made of fibered concrete of 5 mm thick.

Overall nominal thickness: 15 mm.

Overall nominal weight per unit area: 11 kg/m².

Nominal thickness of the "WEDI® PANNEAU DE CONSTRUCTION" panel: 10 mm.

Nominal density of the fire-retarded extruded polystyrene: 32 kg/m³.

Nominal density of the fibered concrete: 1900 kg/m³.

Colours: grey (visible concrete) and blue (polystyrene).

3. Tests reports and tests results in support of this classification

3.1 Tests reports

Name of laboratory	Name of sponsor	Test identification	Test report No.	Test method
CSTB	LCDA 8 rue Copernic 49240 AVRILLE FRANCE	ES541160398	RA17-0040	NF EN ISO 11925-2:2013 NF EN 13823+A1:2015

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results
				Compliance parameters
NF EN ISO 11925-2 30s surface exposure	PANBETON® "PREMIX A" finish	6	Fs > 150 mm Filter paper	Not reached Not ignited
NF EN ISO 11925-2 30s edge exposure	PANBETON® "PREMIX A" finish	6	Fs > 150 mm Filter paper	Not reached Not ignited
NF EN ISO 11925-2 30s edge exposure specimen turned at 90°	PANBETON® "PREMIX A" finish	6	Fs > 150 mm Filter paper	Not reached Not ignited
NF EN ISO 11925-2 30s edge exposure specimen turned at 90°	PANBETON® Mortar with mesh	6	Fs > 150 mm Filter paper	Not reached Not ignited
NF EN ISO 11925-2 30s edge exposure specimen turned at 90°	PANBETON® Polystyrene	6	Fs > 150 mm Filter paper	Not reached Not ignited
NF EN ISO 11925-2 30s edge exposure specimen turned at 90°	PANBETON® Glue	6	Fs > 150 mm Filter paper	Not reached Not ignited

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters Mean values	Compliance parameters
NF EN 13823+A1	PANBETON®	3	FIGRA _{0,2MJ} (W/s)	4.4	-
			FIGRA _{0,4MJ} (W/s)	4.4	-
			LFS	-	Not reached
			THR _{600s} (MJ)	0.9	-
			SMOGRA(m ² /s ²)	0.8	-
			TSP _{600s} (m ²)	19.0	-
			Flaming droplets or debris	-	None

(-) means: not applicable

4. Classification and direct field of application

4.1 Reference of the classification

This classification has been carried out in accordance with clauses 11.6, 11.9.2 and 11.10.1 of the NF EN 13501-1+A1:2015 standard.

4.2 Classification

Fire behaviour		Smoke production		Flaming droplets or debris
B	-	s1	,	d0

Classification: B - s1, d0

4.3 Field of application

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- An overall nominal thickness of 15 mm.
- An overall nominal weight per unit area of 11 kg/m².
- A panel referenced "WEDI® PANNEAU DE CONSTRUCTION" of thickness 10 mm.
- A finish referenced "PREMIX A" of thickness 5 mm.
- A grey colour (visible concrete) and a blue colour (polystyrene).

This classification is valid for the following end use conditions:

- The product glued ("ZWALUW® HYBRIFIX 550" glue applied at the rate of 0.65 cartridge (300 ml) per square meter) on any A1 or A2-s1,d0 class non-metal substrate with a density ≥ 525 kg/m³ and a thickness ≥ 12 mm.
- Without air gap.

5. Limitations

The present document does not represent type approval or certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of system 3 attestation of conformity and CE marking under the European Construction Products Regulation (regulation UE no. 305/2011). The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Champs-sur-Marne, February 23rd, 2017

**The Technician
Responsible for the test**



Olivier BRAULT

The Head of Reaction to Fire activity



Martial BONHOMME

.....END OF THE CLASSIFICATION REPORT