

REACTION TO FIRE - CLASSIFICATION REPORT No EUI-23-000721-Revision1

1. INTRODUCTION

This classification report defines the classification assigned to Protect FrameSafe FR in accordance with the procedures given in BS EN 13501-1:2018.

REACTION TO FIRE CLASSIFICATION IN ACCORDANCE WITH BS EN 13501-1:2018

Sponsor :	Building Product Design Ltd 2 Brooklands Approach Sale M33 3SS United Kingdom
Prepared by:	Efectis UK/Ireland Shore Road Newtownabbey BT37 0QB United Kingdom
Notified Body No:	2822
Product name:	Protect FrameSafe FR
Classification report No.:	EUI-23-000721-Revision1
Issue number:	2
Date of issue:	19 th of December, 2023

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This report cancels and replaces the Classification Report Nr. EUI-23-000721

2. DOCUMENT TRACKING

Revision Index.	Modification
0	Original document
1	Information regarding the supplier and reference names of each component of the finished product provided and kept on file in the laboratory but withheld on the report for commercially sensitive reasons

3. DESCRIPTION OF THE PRODUCT

3.1. GENERAL

The product, Protect FrameSafe FR, is defined as a membrane (according BS EN 13859-2:2010 – Flexible sheets for waterproofing. Definitions and characteristics of underlays - Underlays for walls).

3.2. PRODUCT DESCRIPTION

The product, Protect FrameSafe FR, is described below or is described in the reports provided in support of classification listed in 3.1.

Product description		
Trade mark	Protect FrameSafe FR	
Manufacturer / supplier	Building Product Design Ltd 2 Brooklands Approach Sale M33 3SS United Kingdom	
Composition	Coated Woven Glass Fibre Cloth - Adhesive tape	
	Glass fibre cloth	Supplier name: Information provided and kept on file in the laboratory but withheld on the report for commercially sensitive reasons Reference name: Information provided and kept on file in the laboratory but withheld on the report for commercially sensitive reasons Mass per unit area: 199 g/m ² Colours: white Relative mass to the final product: 86.7%
	Coating	Supplier name: Information provided and kept on file in the laboratory but withheld on the report for commercially sensitive reasons Reference name: Information provided and kept on file in the laboratory but withheld on the report for commercially sensitive reasons Mass per unit area: 24 g/m ² Relative mass to the final product: 10.4%
	Adhesive for lap sealing	Supplier name: Information provided and kept on file in the laboratory but withheld on the report for commercially sensitive reasons

		<p>Reference name: Information provided and kept on file in the laboratory but withheld on the report for commercially sensitive reasons</p> <p>Width of the application: 75 mm Mass per unit area within the adhesive tape: 140 g/m² Mass per unit area in the system: 6.2 g/m² Relative mass to the final product: 2.7%</p>
	Scrim reinforcement for adhesive	<p>Supplier name: Information provided and kept on file in the laboratory but withheld on the report for commercially sensitive reasons</p> <p>Reference name: Information provided and kept on file in the laboratory but withheld on the report for commercially sensitive reasons</p> <p>Width of the application: 75 mm Mass per unit area within the adhesive tape: 10 g/m² Mass per unit area in the system: 0.44 g/m² Relative mass to the final product: 0.2%</p>
Thickness	0.22 mm	
Mass per unit area	0.23 kg/m²	
Density	1043.8 kg/m³	
Colour	Black coated outer surface, white glass fibre internal surface	

4. REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

4.1. REPORTS

Name of Laboratory	Name of sponsor	Report ref. no	Test method and date field of application rules and date
EFFECTIS UK/Ireland	Building Product Design Ltd	EUI-23-SBI-000721	BS EN 13823:2020+A1:2022
EFFECTIS UK/Ireland	Building Product Design Ltd	EUI-23-SBI-000507	BS EN 13823:2020+A1:2022
EFFECTIS FRANCE	Building Product Design Ltd	EFR-23-003533-HC	NF EN ISO 1716:2018
EFFECTIS FRANCE	Building Product Design Ltd	EFR-23-004999-HC	NF EN ISO 1716:2018

4.2. RESULTS

Test method and test number	Parameter	No. Tests ^{a)}	Results			
			Continuous parameter - mean (m)			Compliance with parameters
BS EN 13823:2020+A1:2022 EUI-23-SBI-000721 EUI-23-SBI-000507	FIGRA _{0,2 MJ} (W/s)	6	0.00			-
	FIGRA _{0,4 MJ} (W/s)		0.00			-
	THR _{600 s} (MJ)		0.35			-
	LFS		-			Compliant
	SMOGRA		0.00			-
	TSP _{600s} (m ²)		14.89			-
NF EN ISO 1716:2018 EFR-23-004999-HC EFR-23-003533-HC	PCS (MJ/kg) GCV (MJ/kg)	-	Flaming droplets or particles			Compliant
		1	Glass fibre cloth	0.38 MJ/kg	0.07 MJ/m ²	-
		1	Black coating	17.33 MJ/kg	0.42 MJ/m ²	-
		1	Adhesive of tape	30.17 MJ/kg	0.187 MJ/m ²	
		1	Scrim reinforcement	22.96 MJ/kg	0.01 MJ/m ²	
		-	Product as a whole	3 MJ/kg	0.69 MJ/m ²	-

a) Not for extended application

(-) means not applicable

5. CLASSIFICATION AND FIELD OF APPLICATION

5.1. REFERENCE OF CLASSIFICATION

This classification has been carried out in accordance with BS EN 13501-1:2018.

5.2. CLASSIFICATION

The product, Protect FrameSafe FR, in relation to its reaction to fire behaviour is classified:

A2

The additional classification in relation to smoke production is:

s1

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

d0

The format of the reaction to fire classification for construction products excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production		Flaming droplets
A2	-	s	1	, d 0

i.e. **A2-s1,d0**

5.3. FIELD OF APPLICATION

According to the standard BS EN 13501-1, this classification is valid for the following product parameters:

Product type	Valid only for the product described in section 3.2
Thickness	Valid for the thickness of 0.22 mm
Density	Valid for the density of 1043.8 kg/m ³
Colour	Valid only for Black coated outer surface, white glass fibre internal surface
Adhesive tape	Valid for only the tested adhesive tape up to 75 mm width. Valid for maximum application rate of 6.64 g/m ² . Valid for adhesive tape coverage of maximum 4.4% of a one square meter area of the membrane.
Joints	Valid for horizontal and vertical 100 mm overlapped joints.

According to the standard BS EN 13859-2, the classification is valid for the following end use applications:

Substrate	Valid for any end use substrates of class A1 and A2-s1,d0 with a density of at least 37.5 kg/m ³ . It is not valid for wooden-based and metal-based substrates.
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6. LIMITATIONS

This classification 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 conformity by the manufacturer within the context of system 3 attestation of conformity and UKCA/UKNI marking under the Construction Products Regulation.

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.”

SIGNED



Hamed Zoghi
Team leader

APPROVED



Damien Flammier
Technical Manager