



Classification Report

from

Efectis UK/Ireland

Foamalux Light FES 3 – 10mm, white

by

BRETT MARTIN LTD

Classification by EN 13501-1:2018

Reference: EUI-24-000550B

Classification : C-s3, d2

REACTION TO FIRE - CLASSIFICATION REPORT Nr. EUI-24-000550B

1. INTRODUCTION

This classification report defines the classification assigned to Foamalux Light FES 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:	BRETT MARTIN Limited 24, Roughfort Road BT 36 4RB NEWTOWNABBEY, COUNTY ANTRIM UNITED KINGDOM
Prepared by:	EFFECTIS UK/Ireland Limited Shore Road Jordanstown Co Antrim - BT37 0QB United Kingdom
Product name:	Foamalux Light FES Thickness: 3 – 10 mm
Classification report No.:	EUI-24-000550B
Issue number:	1
Date of issue:	24 December 2024

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

2. DOCUMENT TRACKING

Revision Index.	Modification
0	Original document

3. DESCRIPTION OF THE PRODUCT

3.1. GENERAL

The product, Foamalux Light FES, is defined as a PVC flat sheet.

3.2. PRODUCT DESCRIPTION

The product, Foamalux Light FES, is described below, or is described in the reports provided in support of classification listed in §4.1.

Product description	
Trademark	Foamalux Light FES
Manufacturer / supplier	BRETT MARTIN Limited 24, Roughfort Road BT 36 4RB NEWTOWNABBEY, COUNTY ANTRIM UNITED KINGDOM
Composition	Unplasticised PVC Foam
Thickness	3 – 10 mm
Mass per unit area	1.5 – 5 kg/m ²
Density	500 kg/m ³
Colour	White
Fire retardant	NO
Other information	-

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	BRETT MARTIN Limited	EUI-24-SBI-000550B	BS EN 13823:2020+A1:2022
EFFECTIS UK/Ireland	BRETT MARTIN Limited	EUI-24-SFB-000550B	BS EN ISO 11925-2:2020

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-24-SBI-000550B	FIGRA _{0,2 MJ} (W/s)	6	213.3	-
	FIGRA _{0,4 MJ} (W/s)		211.4	-
	THR _{600 s} (MJ)		8.9	-
	LFS		-	Compliant
EUI-24-SBI-000550B	SMOGRA	6	141.4	-
	TSP _{600s} (m ²)		428.5	-
	Flaming droplets or particles		-	Non-Compliant
BS EN ISO 11925-2:2020	F _s	16	-	Compliant
EUI-24-SFB-000550B	Filter paper		-	Compliant

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, Foamalux Light FES, in relation to its reaction to fire behaviour is classified:

C

The additional classification in relation to smoke production is:

s3

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

d2

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	
C	-	s	3	,	d	2

i.e., **C-s3,d2**

Reaction to fire classification	C-s3,d2
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5.3. FIELD OF APPLICATION

This classification is valid for the following product parameters and end-use applications:

- Thickness Valid for thickness range of 3 – 10 mm
- Density Valid for Density of 500 kg/m³
- Type of product Valid for tested type of product only (same formulation).
- Asymmetry Valid for fire on either side
- Colour Valid for the tested colour
- Joints Valid without joints
- Substrate Valid without substrate. Valid only for free standing configuration.

6. LIMITATIONS

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

SIGNED

APPROVED




Hamed Zoghi
Project leader

Maurice McKee
Lab Manager