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ROOFS/ROOF COVERINGS EXPOSED TO EXTERNAL FIRE - CLASSIFICATION REPORT No. EUI-26-000179

1. INTRODUCTION

This classification report defines the classification assigned to roof/roof covering, FireBlock PV Membrane, in accordance with the procedures given in BS EN 13501-5:2016.

REACTION TO FIRE CLASSIFICATION IN ACCORDANCE WITH BS EN 13501-5:2016

Sponsor: BRIDGEHILL AS
3262 Larvik
NORWAY

Product name: FireBlock PV Membrane

Classification report No.: EUI-26-000179

Issue number: 01

Date of issue: 07/05/2026

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2. DOCUMENT TRACKING

Revision Index.	Modification	Comments	Date		
0	Original document	/	07th May 2026	Writer	SACHIP
				Reviewer	SVE
				Approver	MKE

3. DESCRIPTION OF THE PRODUCT

3.1. GENERAL INFORMATION ABOUT THE TESTED PRODUCT

The product tested was FireBlock PV Membrane.

The information below were provided by the applicant who attests their accuracy.

Manufacturer / Supplier	**BRIDGEHILL AS** 3262 Larvik NORWAY	
Identification / Reference of the product / sample	FireBlock PV Membrane	
General description	Description	Fire Membrane for PV Panels on any roof type.
	Thickness	0.6 mm
	Density	1667 kg/m^3
	Mass per unit area	1 kg/m^2

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3.2. PRODUCT DESCRIPTION

The roof/roof covering FireBlock PV Membrane. Comprises.

Layer	Characteristics	Value / Description	Unit
Membrane	Material	Silica, Alumina, Calcium oxide and Boron oxide on core fabric.	-
	Trade name / Reference	FireBlock PV Membrane	-
	Manufacturer/supplier	BRIDGEHILL AS	-
	Thickness	0.6	mm
	Colour	One side white, one side black.	-
	Coating reference and manufacturer/supplier (if applicable)	BridgeTech™ polymer coating	-
	Mass per unit area	1	kg/m²
	Density	1667	kg/m³
	Thermal conductivity	Not provided by the sponsor of the test	W/m.K
	PCS value	Not provided by the sponsor of the test	MJ/m²
	Reaction to fire classification, according to EN 13501-1	Not provided by the sponsor of the test	-
	Fire retardant treatment (if applicable)	Within the BridgeTech™ polymer coating.	-
	Fixing/application method	Adeshive applied	-
	Fixing reference and manufacturer/supplier (if applicable)	FireBlock adhesive	-

N/A: Not applicable

These products conform to the following European Standard(s), ETAs or other relevant product specifications: None

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4. REPORTS AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

4.1. REPORTS

Name of Laboratory	Name of sponsor	Report ref. no	Test method
EFECTIS UK/Ireland	BRIDGEHILL AS	EUI-26-RT4-000179	CEN/TS 1187:2012 Test 4

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4.2. TEST RESULTS

4.2.1. Test conditions

Test pitch	0°
Deck	N/A
Supporting structure	N/A

4.2.1. Preliminary test (Stage 1):

Parameter	Criteria				Test results [a]	Compliance			
	Class B_{ROOF}(t4)	Class C_{ROOF}(t4)	Class D_{ROOF}(t4)	Class E_{ROOF}(t4)	Specimen 1	Class B_{ROOF}(t4)	Class C_{ROOF}(t4)	Class D_{ROOF}(t4)	Class E_{ROOF}(t4)
Burn time (min:s)	< 5 min	< 5 min	< 5 min	≥ 5 min	< 5 min	Yes	Yes	Yes	Yes
Flame spread distance (mm)	< 0.38 m	< 0.38 m	< 0.38 m	No limit	< 0.38 m	Yes	Yes	Yes	Yes
Penetration	None	None	None	None	None	Yes	Yes	Yes	Yes

[a] Not for extended application

4.2.2. Penetration test (Stage 2):

Parameter	Criteria				Test results				Compliance			
	Class B_{ROOF}(t4)	Class C_{ROOF}(t4)	Class D_{ROOF}(t4)	Class E_{ROOF}(t4)	Specimen 1	Specimen 2	Specimen 3	Mean[b]	Class B_{ROOF}(t4)	Class C_{ROOF}(t4)	Class D_{ROOF}(t4)	Class E_{ROOF}(t4)
Penetration time (min:s)	≥ 60 min	< 60 min	< 30 min	< 30 min	≥ 60 min	≥ 60 min	≥ 60 min	≥ 60 min	Yes	Yes	Yes	Yes
		≥ 30 min										

[b] If one or two of the specimens have not failed at one hour, a time of 60 min shall be used in calculating the mean time of the penetration.

DRAFT

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5. CLASSIFICATION AND FIELD OF APPLICATION

5.1. REFERENCE

This classification has been carried out in accordance with BS EN 13501-5:2016.

5.2. CLASSIFICATION

The roof / roof covering FireBlock PV Membrane, in relation to its external fire performance is classified:

B_{ROOF} (t4)

This European Standard does not represent type approval or certification of the product.

5.3. FIELD OF APPLICATION

This classification is valid for the product parameters and composition, as tested, described in the section 3.2 test report(s) in support of the classification listed in 4.1.

The classification is valid for the following end-use parameters:

Parameters	Conditions
Range of pitches	Valid only for 0° ≤ pitch ≤ 10°
Decking & supporting construction	Not applicable, as the system was tested without decking or supporting construction.

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6. LIMITATIONS

6.1. RESTRICTIONS

Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

6.2. WARNING

This European Standard does not represent type approval or certification of the product. The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriates references, supplied by manufacturer, to provide for traceability of the sample tested.

Report	Name	Signature [a]	Date
Prepared by	Shaneer VELLUKKANDY	X Shaneer VELLUKKANDY Project Leader Signed by: Shaneer VELLUKKANDY	07/05/2026
Reviewed by	Maurice McKEE	X Maurice McKEE Testing Technical Supervisor Signed by: Maurice McKee	07/05/2026

[a] For and on behalf of Efectis UK/Ireland

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