Additional classification report for roofs/roof coverings exposed to external fire No. 19492D

Owner of the additional classification report

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Introduction

This classification report defines the classification assigned to the roof/roof coating **«BULLET ROOF MONO»** in accordance with the procedures given in the standard EN 13501-5:2016 : Fire classification of construction products and building elements – Part 5: Classification using data from external fire exposure to roofs tests: Test 4: Method with two stages incorporating burning brands, wind and supplementary radiant heat

This additional classification report consists of 5 pages

This report is additional to that issued as No. 19492A, dated 29/03/2019. This report is drafted in accordance with the regulations of EGOLF Agreement EGA 08rev2:2013 “Application note: clause 5.10 / 4-2 – Amendment of reports: client changing product/company names (ii) for commercial reasons – Issue of additional reports”. The original report remains valid and is not replaced by this report. The product has not been retested and this report does not involve technical changes or technical reviews of the original report. The original and the new name of the product and of the company commercially responsible for the product, as well as the declarations concerning this additional report, are documented by the laboratory and maintained in the laboratory records. / The original and the new name of the sponsor, as well as the declarations concerning this additional report, are documented by the laboratory and maintained in the laboratory records.

1. DESCRIPTION OF THE ROOF/ROOF COVERING

2. *This description is based on information given by the sponsor.*

	Nominal value	Measured value
SUPPORTING DECK		
Material	Asbestos free double pressed and autoclaved fibre cement boards. They are reinforced with mineralized cellulose fibres and through coloured, with smoothed surface and rectified edges.	
Trade name	Silbonith HA-HC	
Density (kg/m³)	1600±50	(1)
Thickness (mm)	5-20	(1)
Reaction to fire classification according to EN 13501-1	A2-s1-d0	
ROOF COVERING		
Third layer		
Material	One component moisture curing liquid polyurethane membrane.	
Trade name	BULLET ROOF MONO	
Manufacturer / Supplier	Known by the laboratory	
Thickness (mm)	0,740	(1)
Surface weight (g/m²)	1500	(1)
Flame retardants	Yes	(1)
Fixing method	Self-adhesive	
Reaction to fire classification according to EN 13501-1	NPD	
Second layer		
Material	Glass mat with selected glass fibres and acid resistance	
Trade name	BULLET MAT GM 100	
Manufacturer	Braj Binani Group	
Supplier	Known by the laboratory	
Thickness (mm)	0,5	(1)
Surface weight (g/m²)	225	(1)
Flame retardants	Yes	(1)
Fixing method	Self-adhesive	
Reaction to fire classification according to EN 13501-1	NPD	
Top layer		
Material	One component moisture curing liquid polyurethane membrane.	
Trade name	BULLET ROOF MONO	
Manufacturer / Supplier	Known by the laboratory	
Thickness (mm)	0,888	(1)
Surface weight (g/m²)	1800	(1)
Flame retardants	Yes	(1)
Fixing method	Self-adhesive	
Reaction to fire classification according to EN 13501-1	NPD	

3. (1) Not verifiable

2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

a) Test reports

Name of the laboratory	Name of the sponsor	Test report ref. no.	Test method
WFRGENT nv Ghent - Belgium	Known by the laboratory	19492B	CEN/TS 1187:2012: Test 4

b) Test results

Test conditions:
- Test pitch: 0°
- Deck: Silbonit HA-HC

PRELIMINARY TEST (STAGE 1)

Parameter	Criteria				Test [(a)] results	Compliance			
	Class B_{ROOF}(t4)	Class C_{ROOF}(t4)	Class D_{ROOF}(t4)	Class E_{ROOF}(t4)	Spec. 1	Class B_{ROOF}(t4)	Class C_{ROOF}(t4)	Class D_{ROOF}(t4)	Class E_{ROOF}(t4)
Burn time	< 5 min	< 5 min	< 5 min	< 5 min	00:00	Yes	Yes	Yes	Yes
Flame spread distance	< 0,38 m	< 0,38 m	< 0,38 m	No limit	0,05	Yes	Yes	Yes	Yes
Penetration	None	None	None	None	None	Yes	Yes	Yes	Yes

(a) Not for extended application.

PENETRATION TEST (STAGE 2)

Parameter	Criteria			
	Class B_{ROOF}(t4)	Class C_{ROOF}(t4)	Class D_{ROOF}(t4)	Class E_{ROOF}(t4)
Penetration	≥ 60 min	< 60 min ≥ 30 min	< 30 min	< 30 min
Parameter	**Test [(a)] results**			
	Spec. 1	Spec. 2	Spec. 3	Mean [a]
Penetration	None	None	None	None
Parameter	**Compliance**			
	Class B_{ROOF}(t4)	Class C_{ROOF}(t4)	Class D_{ROOF}(t4)	Class E_{ROOF}(t4)
Penetration	Yes	Yes	Yes	Yes

(a) 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 penetration.

3. CLASSIFICATION AND FIELD OF APPLICATION

a) Reference

This classification has been carried out in accordance with clause 9 test 4 of EN 13501-5:2016 and ETAG 005: Liquid Applied roof waterproofing kits

b) Classification

The roof / roof coating **«BULLET ROOF MONO»** in relation to its external fire performance is classified:

B_{ROOF} (t4)

c) Direct field of application

The classification is valid for the system as described in §1 for the following conditions:

- Range of pitches: ≤ 10°

4. LIMITATIONS

At the time the standard EN 13501-5:2016 was published, no decision was made concerning the duration of validity of a classification document.

Provisions of Regulation (EU) 305/2011, commonly known as the Construction Products Regulation (CPR), prevail over any conflicting provisions in the harmonised standards and technical specifications.

5. WARNING

This classification report does not represent type approval nor certification of the product.

6. CONCERNING DECLARATION OF PERFORMANCE (DoP) ACCORDING TO THE CONSTRUCTION PRODUCT REGULATION (CPR)

Annex ZA of the harmonised standard

- ETAG 005: Liquid Applied roof waterproofing kits

declares that a System 3 Attestation of Conformity (AoC) under the Construction Products Directive (CPD: 89/106/EEC) is required for all external fire performance declarations better than class F_{roof} (t1, t2, t3, t4). Under the Construction Products Regulation (CPR: EU 305/2011) this corresponds with a System 3 of Assessment and Verification of Constancy of Performance (AVCP) as basis for a Declaration of Performance (DoP).

The classification assigned to the product in this report is appropriate to such a Declaration of Performance of the essential characteristics of the construction product by the manufacturer within the context of a System 3 Assessment and Verification of Constancy of Performance. Under the Construction Products Regulation a Declaration of Performance (DoP) is a requirement for affixing the CE marking.

PREPARED BY	APPROVED BY
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