

Additional reaction to fire classification report No. 19808G

Owner of the additional classification report

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Introduction

This classification report defines the classification assigned to the product **'RockFace A2 FR'** in accordance with the procedures given in the standard EN 13501-1:2018: Fire classification of construction products and building elements - Part 1: classification using data from reaction to fire tests.

This additional classification report consists of 6 pages and may only be used or reproduced in its entirety

This report is additional to that issued as No. 19808E, dated 11/10/2019. 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 sponsor, as well as the declarations concerning this additional report, are documented by the laboratory and maintained in the laboratory records.

1. DETAILS OF CLASSIFIED PRODUCT

a) General

The product **RockFace A2 FR** is defined as a 'non-combustible upstand insulation board'.

Its classification is valid for the following end use application(s):

Non-combustible upstand insulation board used to thermally insulate and protect upstand walls in inverted flat roof systems.

b) Product description

This description is based on information given by the sponsor.

RockFace A2 FR	
Type of product	Upstand insulation board consisting of mineral wool thermal insulation (core material; Fabrock), one sided coated with a fibre cement board (top layer: Primaflex) using glue (Solfre 3022).
Manufacturer	Known by the laboratory
Total thickness (mm)	56
Components	
1) Fibre cement board (top layer)	
Type of product	Autoclaved cellulose fibre reinforced cement board
Commercial name	Primaflex
Manufacturer	Prima Fiber Cement Building Solutions
Thickness (mm)	6,0
Density (kg/m ³)	1320
Use of fire retardants	No
Colour	White-grey
2) Glue	
Type of product	Polyurethane based adhesive
Commercial name	Solfre 3022
Manufacturer	Chemique Adhesives and Sealants Ltd
Specific gravity	1,1 – 1,2
Solid content (weight %)	100
Applied amount (g/m ² ; dry)	124
Use of fire retardants	No

Components	
3) Mineral wool thermal insulation (core material)	
Type of product	Mineral wool thermal insulation
Commercial name	Fabrock
Manufacturer	Rockwool
Thickness (mm)	50
Density (kg/m ³)	110
Use of fire retardants	No
Amount of binder (%)	Confidential
Colour	Yellow-green

More details (e.g. mounting and fixing) are available in the test reports in support of this classification (§2a).

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

a) Test reports (and EXAP reports)

Name of the laboratory	Name of the sponsor	Test report ref. No.	Test method and date
WFRGENT nv Ghent, Belgium	Known by the laboratory	19808A, 19808B & 19808C	EN ISO 1716:2018
WFRGENT nv Ghent, Belgium	Known by the laboratory	19808D	EN 13823:2010+A1:2014

b) Test results

Test method	Parameter	Number of tests	Results		Criteria for Class A2-s1,d0		
			Continuous parameters Mean	Compliance parameters	Continuous parameters	Compliance parameters	
EN 13823 (1)	FIGRA _{0,2 MJ} (W/s)	3	0	(-)	≤ 120	(-)	
	FIGRA _{0,4 MJ} (W/s)		0	(-)	(-)	(-)	
	LFS _{<edge}		(-)	Yes	(-)	Yes	
	THR _{600s} (MJ)		0,7	(-)	≤ 7,5	(-)	
	SMOGRA (m ² /s ²)		0	(-)	≤ 30	(-)	
	TSP _{600s} (m ²)		25	(-)	≤ 50	(-)	
	Flaming droplets/particles						
	f < 10 s		(-)	No	(-)	No	
f > 10 s	(-)	No	(-)	No			
<i>(1) Based on the results obtained in test report No. 19808D.</i>							
EN ISO 1716	PCS (MJ/kg) (2)	3	0,4	(-)	≤ 3,0	(-)	
	PCS (MJ/m ²) (3)	3	3,8	(-)	≤ 4,0	(-)	
	PCS (MJ/kg) (4)	3	0,5	(-)	≤ 3,0	(-)	
	PCS (MJ/m ²) (5)	(-)	0,7	(-)	≤ 3,0	(-)	
<i>(2) For homogeneous products and substantial components of non-homogeneous products – Primaflex fibre cement board (6,0 mm; 1320 kg/m³). Based on the results obtained in test report No. 19808B.</i>							
<i>(3) For any internal non-substantial component of non-homogeneous products – Solfre 3022 adhesive (124 g/m²) Based on the results obtained in test report No. 19808A and the following calculation: PCS = 30,8 MJ/kg x 0,124 kg/m² = 3,82 MJ/m²</i>							
<i>(4) For homogeneous products and substantial components of non-homogeneous products – Fabrock mineral wool (50 mm; 110 kg/m³). Based on the results obtained in test report No. 19808C.</i>							
<i>(5) For the product as a whole - Based on the following calculations: Primaflex fibre cement board (6,0 mm; 1320 kg/m³): PCS = 0,4 MJ/kg x 7,92 kg/m² = 3,17 MJ/m² Solfre 3022 adhesive (124 g/m²): PCS = 30,8 MJ/kg x 0,124 kg/m² = 3,82 MJ/m² Fabrock mineral wool (50 mm; 110 kg/m³): 0,5 MJ/kg x 5,5 kg/m² = 2,75 MJ/m² PCS for the product as a whole = 9,74 MJ/m² / 13,544 kg/m² = 0,72 MJ/kg</i>							

(-) Not applicable.

3. CLASSIFICATION AND FIELD OF APPLICATION

a) Reference of classification

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

b) Classification

The product **RockFace A2 FR** in relation to its reaction to fire behavior is classified as:

Fire behavior	Smoke production	Flaming droplets
A2	s1	d0

c) Field of application

This classification for the product as described in §1b, is valid for the following end use applications:

- Substrate: Euro class A2-s1,d0 or better, excluding paper faced gypsum plaster boards, with a minimal thickness of 9 mm and a minimal density of 652,5 kg/m³
- Without air gap
- Fixing: Mechanically fixed using screws
- With or without horizontal and/or vertical butt joints
- Fire exposed side: Fibre cement board.

This classification is valid for the following product parameters:

Fibre cement board (top layer)

- Nominal thickness and density: 6,0 mm, 1320 kg/m³
- No use of fire retardants
- Colour: White-grey

Glue

- Applied amount: 124 g/m² (dry)
- No use of fire retardants

Mineral wool thermal insulation (core material)

- Nominal thickness and density: 50 mm, 110 kg/m³
- No use of fire retardants
- Colour: Yellow-green

4. RESTRICTIONS

At the time the standard EN 13501-1:2018 was published, no decision was made concerning the duration of validity of a classification report.

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

5. WARNING

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

According to the information mentioned by the sponsor on the technical information sheet there was no product standard for CE marking available at the time the classification report for the tested material/product was drafted.

When such a product standard is published, this report may be submitted again to the laboratory to evaluate the adequacy of the report for CE marking.

PREPARED BY

APPROVED BY

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