

**CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE
WITH UNE-EN 13501-1:2019**

E/F
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Sponsor: **TOPCRET**
Gran Vía de les Corts Catalanes, 828
08013 Barcelona

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Product name: **Baxab NF**

Classification report nº: **19/21115-2710-2 English Version**

Date of issue: **14th April, 2020**



1.-INTRODUCTION

This classification report defines the classification assigned to "Baxab NF" in accordance with the procedures given in the UNE-EN 13501-1:2019 standard.

2.- DETAILS OF CLASSIFIED PRODUCT

2.1.-General

The product "Baxab NF" is defined as two-component polymeric cementitious material according to petitioner.

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2.2.-Product description

In accordance with the technical specifications provided by the petitioner:

Product trade name: Baxab NF

Two-component polymeric cementitious material.

The product is composed by four layers:

- Layer 1: Microcement base, thickness of 1 mm, superficial density of 1,8 kg/m², cement-grey colour and rough appearance.
- Layer 2: Baxab, thickness of 0,40 mm, superficial density of 0,64 kg/m², colour to choose and rough appearance.
- Layer 3: Baxab NF, thickness of 0,30 mm, superficial density of 0,54 kg/m², colour to choose and smooth appearance.
- Layer 4: Shielding, thickness of 0,1 mm and superficial density of 0,1 kg/m².
- Layer 5: Mesh, thickness of 0,2 mm, superficial density of 90 g/m², white colour and mesh appearance.

The petitioner did not provided more information.

Fixing system: The test was carried out with product applied onto the substrate (Calcium Silicate board according to standard UNE-EN 13238:2011) by the petitioner.

Manufacturer: TOPCRET, Gran vía de les Corts Catalanes, 828, 08013 Barcelona.

3.-REPORT AND RESULTS IN SUPPORT OF THIS CLASSIFICATION

3.1- Reports

Name of Laboratory	Name of sponsor	Report ref. no.	Test method and date
Applus – LGAI	TOPCRET	19/21115-2708-1	UNE-EN ISO 11925-2:2011 19-03-2020
			UNE-EN 13823:2012+A1:2016 11-03-2020

3.2- Results of the Tests

Test Mode	RESULTS – Baxab NF			
	CRITERIA CLASS B	Nº TESTS	AVERAGE	COMPLIANCE
UNE-EN-ISO 11925-2:2011	F _s ≤ 150 mm within 60 s	12	F _s < 150 mm	YES
	Paper inflammation		NO	YES
UNE-EN 13823:2012+A1:2016	FIGRA _{0,2 MJ} ≤ 120 W/s	3	93,62	YES
	LFS < edge of the sample	3	<to edge	YES
	THR _{600s} ≤ 7,5 MJ	3	0,80	YES
	CRITERIA subclass 's1'	Nº TESTS	AVERAGE	COMPLIANCE
	SMOGR _A ≤ 30 m ² /s ²	3	4,74	YES
	TSP _{600s} ≤ 50 m ²	3	27,01	YES
	CRITERIA subclass 'd0'	Nº TESTS	AVERAGE	COMPLIANCE
	Fall of droplets/particles in flames within 600 s	3	NO	YES

4.- CLASSIFICATION AND FIELD OF APPLICATION

4.1- Reference of classification

This classification has been carried out in accordance with UNE-EN 13501-1:2019: "Classification in terms of the behaviour to fire of construction products and building elements. Part 1: Classification made from the data gathered during fire reaction tests".

4.2- Classification

The product, Baxab NF, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s1

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

d0

Fire Behaviour		Smoke Production				Flaming droplets	
B	-	s	1	,	d	0	

REACTION TO FIRE CLASSIFICATION : B-s1,d0

This classification is only valid for the final conditions of use described in the present report.

4.3- Field of application

- This classification is valid for the following product parameters:

The classification is only valid for the product characteristics shown, with the following parameters being extended:

- Variable parameter 1: SUBSTRATE

After performing the test with the product adhered on calcium silicate substrate with (870 ± 50) kg/m³ in density, (11 ± 2) mm in thickness, the obtained results are valid for substrates of final use of the classes A1 and A2-s1,d0, according to standard UNE-EN 13238:2011.

- The classification is valid for the following final use applications:

Wall covering.

Substrate	Calcium Silicate board (UNE-EN 13238:2011)
Fixing method	Applied
Joints	No
Air gap	Non ventilated
Others	-

5.- LIMITATIONS

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

Responsible of the Fire Laboratory
LGAI Technological Center S.A. (APPLUS)

Responsible Technician of Reaction to Fire
LGAI Technological Center S.A. (APPLUS)

The results refer exclusively to the samples tested at the time and under the conditions indicated. Under customer request, the decision rule agreed to give conformity declaration with the classification standard, is to comply when the result of the measure, without taking into account the uncertainty value associated with the test, does not exceed the specification limit.

Applus+ guarantees that this task has been carried out in compliance with the requirements of our Quality and Sustainability System, and furthermore, that the contractual terms and legal regulations have been complied with. In the framework of our improvement programme, we would appreciate any comments you may deem appropriate. These should be addressed to the manager who signs this document, or to the Quality Director of Applus+, at the following address: satisfaccion.cliente@applus.com

In the event of litigation, the Spanish version will be valid
