

PRODUCT TYPE REPORT



Petitioner's reference: **TOPCRET**
Gran Vía de les Corts Catalanes, 828
08013 Barcelona

Prepared By: **LGAI Technological Center, S.A. (APPLUS)**
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Notified Body No: **0370**

Product name: **Baxab NF**

Report nº: **19/21115-2708-1 English Version**

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

Date at which the simple was received: 20-12-2019

1.- OBJECT OF THE TEST

Test for Determination of the Product Type (DPT) of Reaction to Fire of the construction product UNE-EN 13813:2014: "Screed material and floor screeds – Screed material – Properties and requirements" according to the standards:

- UNE-EN-ISO 11925-2:2011: Flammability of construction products when these are exposed to the direct action of the flame. Part 2: Test performed with a single flame source.

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- UNE-EN ISO 9239-1:2011: "Reaction to fire tests for floorings - Part 1: Determination of the burning behaviour using a radiant heat source".

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2.- PRODUCT CHARACTERISTICS

A superficial grey coating applied onto substrate, with Applus internal code 19/2708, was received with the following indications 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 (Fibre cement according to standard UNE-EN 13238:2011) by the petitioner.

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

3.- MAINTENANCE SPECIFICATIONS

Periodic washing with neutral soap and self-polishing wax use.

4.- DESCRIPTION OF THE FINAL CONDITIONS FOR USE

Floor covering.

Air velocity in compliance with paragraph 4.2 of the testing standard: 0,7 m/s

SAMPLES	Application of the flame on the surface					
	Lengthwise			Crosswise		
	I	II	III	I	II	III
Duration of inflammation (in s)	-	-	-	-	-	-
Time needed to reach 150 mm (in s)	-	-	-	-	-	-
Ignition of the filter paper (yes/no)	NO	NO	NO	NO	NO	NO

(-) no inflammation has occurred during the test.

Remarks

During the test, no product inflammation was observed, or any fall of material onto the filter paper.

Uncertainty of measurement

Not applied, because there isn't measurement.

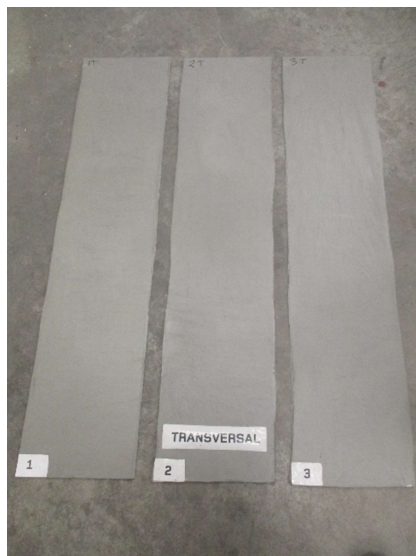


Photo nº2: View of the sample before the test. Crosswise.

Data recorded during the test	1I	2I	3I
Ignition time (s)	-	-	-
Extinction time (s)	-	-	-
Flame propagation after 600 s (in mm)	-	-	-
Flame propagation after 1200 s (in mm)	-	-	-
Flame propagation after 1800 s (in mm)	-	-	-
Maximum flame propagation time (s)	-	-	-
Maximum flame length (mm)	-	-	-

(-) no inflammation occurred during the test.

Remarks made during the test

Remarks	1I	2I	3I
Temporary flame (flash) (yes/no)	NO	NO	NO
Fusion (yes/no)	NO	NO	NO
Carbonization (yes/no)	NO	NO	NO
Incandescence duration further to flame extinction (s)	-	-	-
Incandescence localization (in mm)	-	-	-
Flame penetration into the adjoining layer (yes/no)	-	-	-

(-) no incandescence occurred during the test.



Photo n°3: Appearance of the area impacted by radiation on the three tested samples

Samples	I	II	III	Average
HF-10 (KW/m ²)	11,21	11,21	11,21	11,21
HF-20 (KW/m ²)	11,21	11,21	11,21	11,21
HF-30 (KW/m ²)	11,21	11,21	11,21	11,21
CFE (KW/m²)	11,21	11,21	11,21	11,21
TLA-30(%·min)	7,23	22,25	13,08	14,19

Measurement uncertainty associated to the test

CFE	± 1,67 kW/m ²
TLA	± 5 %·min

6.3.- Results

6.3.1.- UNE-EN ISO 11925-2:2011

Flame propagation	Fs < 150 mm in 20 seconds
Paper inflammation	NO

6.3.2.- UNE-EN ISO 9239-1:2011

Critical flow	11,21 kW/m ²
TLA-30	14,19 %·min

The test results correspond to the behaviour of test samples of a product under the testing conditions themselves. They do not intend to be the only evaluation criterion to assess the potential fire hazard involved in the use of the product.

The Euro class to which the tested product belongs is defined in the Classification Report.

Responsible of the fire laboratory
LGAI Technological Center S.A. (APPLUS)

Responsible of Euroclass
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The results refer exclusively to the samples tested at the time and under the conditions indicated.

The uncertainties expressed in this document pertain to the expanded uncertainty, which has been obtained by multiplying the typical measurement uncertainty by the coverage factor k=2 which, for a regular distribution, corresponds to a coverage probability of approximately 95%.

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