Classification report of reaction to fire performance

1. Introduction

This classification report defines the classification assigned to Vuba Resin Bound Surfacing according to the procedures given in NF EN 13501-1: 2018.

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE ACCORDING TO NF EN 13501-1: 2018

Sponsor:	**VUBAGROUP** Units B2-B4, Grovehill Industrial Estate, Annie Reed Road HU17 0LF BEVERLEY UNITED KINGDOM
Established by:	**CREPIM** Rue Christophe Colomb Parc de la Porte Nord 62700 Bruay-la-Buissière FRANCE
Product name:	Vuba Resin Bound Surfacing
Classification report number:	DO-23-5227/A-R1
Issue number:	1
Date of issue:	**5 years as from 06/10/2023**

The tests described in this report were carried out at the CREPIM Bruay-la-Buissière. Whether or not to declare compliance with the specification and the legal and regulatory requirements was not under CREPIM's responsibility.

The CEPRIEM is not responsible for any misinterpretation of the test results. These test results are only permitted in full form.

CREPIM cannot be held responsible for information relating to the tested element. This information is provided by the applicant.

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2. Details of classified product

2.1 General

The product Vuba Resin Bound Surfacing is defined as external surfacing such as pavements, driveways, and outdoor areas.

2.2 Product description

The product Vuba Resin Bound Surfacing is fully described below or is fully described in the test reports provided in support of classification listed in Clause 3.1.

Product description

Plates composed of 93.33% decorative rocky aggregates bound by 6.67% aliphatic bi-component resin.

Thickness: 18 mm (Declared by sponsor)

Surface density: 27.7 kg/m² (Measured by the laboratory)

Density: 1540.7 kg/m³ (Measured by the laboratory)

Color: White – Brown – Black

Exposed face: Top face

Substrate: Fibre-cement 8mm 1800kg/m³

Mounting method: Without fixing elements, the product is deposited on the substrate

3. Reports and results in support of classification

3.1 Reports

Name of laboratory	Name of sponsor	Reports ref. number	Test method and date / Rules of scope and date
CREPIM	VUBAGROUP	DO-23-5227\A-R1	NF EN ISO 11925-2 : 2020
CREPIM	VUBAGROUP		NF EN ISO 9239-1: 2013

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3.2 Test Results

Test methods	Parameter	Number of test a)	Results	
			Continuous parameter - average (m)	Compliance with parameters
NF EN ISO 11925-2	Reaching of the mark at 150mm	6 tests "surface application"	-	Compliant
	Ignition of filter paper	6 tests "surface application"	-	Compliant
NF EN ISO 9239-1	CHF (kW/m²)	3 tests	>11	-
	VFI (%.min)	3 tests	87.6	-

a) Not applicable to the extended application

4. Classification and field of application

4.1 Reference of classification

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

4.2 Classification

The product, based on its reaction to fire behavior, is classified: Bfl.

Complementary classification in relation to smoke production is: s1.

The format of the reaction to fire classification for flooring products is:

Fire behaviour		Smoke production	
Bfl	-	s	1

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BBA Approval Inspection Testing Certification

4.3 Field of application:

The classification is valid for the following product parameters :

Composition : No variation allowed

Thickness: 18 mm

Surface density: 27,7 kg/m²

Density : 1540,7 kg/m3

Exposed face : Top face

Colour : All colors

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

Substrate : Used over a fibercement and all substrates classified A1 and A2-s1, d0 which density is superior to 1350 kg/m3.

Mounting method: Without fixing method.
Mounted without joint.

5. Limitations

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

Signature of the person who realize the classification :

Thomas TURF - Test Engineer

Signature of the person who authorize the report :

Skander KHELIFI - Technical Manager

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BBA APPROVAL INSPECTION TESTING CERTIFICATION CERTIFICATE 24/7245

Report N° DO-23-522 / edited the 06/10/2023 / Results According To NF EN ISO 11925-2 A : 2020

Date:	04/09/2023
Test date:	13/09/2023
Conditioning:	23 ± 2 °C, 50 ± 5% HR according to EN 13238
Samples dimensions (mm):	250 mm x 90 mm
Thickness (mm):	18

COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation

Exposition time (s)
15

Echantillons	Direction	Flame attack	Ignition?	Flame reached 150mm marker?	Time to reach 150mm marker (s)?	Filter paper ignition?
Sample 01	NA	Surface	No	No	NA	No
Sample 02	NA	Surface	No	No	NA	No
Sample 03	NA	Surface	No	No	NA	No
Sample 04	NA	Surface	No	No	NA	No
Sample 05	NA	Surface	No	No	NA	No
Sample 06	NA	Surface	No	No	NA	No

Remarks:	Trials 1 and 2: White colour Trials 3 and 4: Brown colour Trials 5 and 6: Black colour

Test Officer:	Quentin ROUSSEL
Technical Manager:	Skander KHELIFI

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Rapport N° DO-23-522/ edited the 06/10/202 / Results according to NF EN ISO 9239-1 : 2013

Date:	04/09/2023
Test date:	27/09/2023
Conditionning:	23 ± 2 °C, 50 ± 5% HR according to EN 13238
Samples dimensions (mm):	1050 mm x 230 mm
Thickness (mm):	18

COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation

	Test 1	Test 2	Test 3	Average
Colour	Black	Brown	White	
Pilot Flame	Propane	Propane	Propane	/
Ignition time (s)	/	/	/	/
Time to flameout (s)	/	/	/	/
Burned distance (mm)	0	0	0	/
CHF (kW/m²)	>11	>11	>11	>11
HF10 (kW/m²)	>11	>11	>11	>11
HF20 (kW/m²)	>11	>11	>11	>11
HF30 (kW/m²)	>11	>11	>11	>11
Peak Light Attenuation (%)	7,5	4,3	1	4,2
Time to peak light attenuation (s)	1050	4	1562	872
VFI / TSP (%.min)	193,6	65,2	4,1	87,6

Remarks:	No inflammation observed

Test Officer:	Mourad ALIQUA
Technical Manager:	Skander KHELIFI

End of report

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