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SAFETY, STRUCTURES AND FIRE DEPARTMENT

Reaction to Fire

REACTION TO FIRE CLASSIFICATION REPORT No. RA08-0325 ACCORDING TO THE EUROPEAN STANDARD NF EN 13501-1+A1:2013

Notification by the French Government to the European Commission under no. 0679

Seule la version française fait foi

The French version is legally acceptable

Product standard

NF EN 13813:2003 "Screed material – Properties and requirements"

Owner:	CONICA AG Industriestrasse 26 8207 SCHAFFHAUSEN SWITZERLAND
Commercial brand(s):	CONIPUR EPDM FL CONIPUR EPDM
Manufacturing unit(s):	The manufacturing unit appears in the associated tests report
Brief description:	Polyurethane floor covering (see detailed description in paragraph 2)
Date of issue:	April 11th, 2014

The indicated classification does not prejudice the conformity of marketed materials with the samples submitted to the tests and under no circumstances, this document should not be considered as type approval or certification of the product in the sense of the L 115-27 to L 115-33 and R 115-1 to R 115-3 articles of the consumption's code.
If this report is being issued by e-mail and/or on an electronic medium, only the hard copy of the report signed by CSTB shall prevail in the event of a dispute.
The reproduction of this classification report is only authorised in its integral form.
It comprises 6 pages.

Extension of report RA08-0325 dated July 25th, 2008 for modification of the company name.

CENTRE SCIENTIFIQUE ET TECHNIQUE DU BATIMENT

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1. Introduction

This classification report defines the classification assigned to the above-mentioned product(s) in accordance with the procedures given in the NF EN 13501-1+A1:2013 standard.

2. Product description

Polyurethane floor coverings tested poured over an A2fl-s1 fibre-cement substrate.
Floor coverings consisting of:

CONIPUR EPDM FL

- A primary layer made of polyurethane resin (CONIPUR 70 for bituminous substrate or CONIPUR 74 for fibre-cement substrate) applied at the rate of 150 g/m².
- An EPDM FL layer consisting of a mixture made of polyurethane resin referenced CONIPUR 322 applied at the rate of 2.4 kg/m² and EPDM FL granulates (flame-retarded version) applied at the rate of 12.5 kg/m².

CONIPUR EPDM

- A primary layer made of polyurethane resin (CONIPUR 70 for bituminous substrate or CONIPUR 74 for fibre-cement substrate) applied at the rate of 150 g/m².
- An EPDM FL layer consisting of a mixture made of polyurethane resin referenced CONIPUR 322 applied at the rate of 2.4 kg/m² and EPDM granulates (none flame-retarded version) applied at the rate of 12.5 kg/m².

Nominal thickness: about 13 mm (for the two systems).

Overall applied quantity: about 15 kg/m² (for the two systems).

Tested colour: blue.

3. Tests reports and tests results in support of this classification

3.1 Tests reports

Name of laboratory	Name of sponsor	Test identification	Test report No.	Test method
CSTB	CONICA AG Industriestrasse 26 8207 SCHAFFHAUSEN SWITZERLAND	ES541140075	Modification file	-
	BASF Construction Chemicals Europe AG Industriestrasse 26 8207 SCHAFFHAUSEN SWITZERLAND	ES541070913	RA08-0325	EN ISO 11925-2:2002 EN ISO 9239-1:2002

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results
				Compliance parameters
EN ISO 11925-2 Surface exposure - 15 seconds	CONIPUR EPDM	6	Fs > 150 mm Filter paper	Not reached Not ignited
EN ISO 11925-2 Surface exposure - 15 seconds	CONIPUR EPDM FL	6	Fs > 150 mm Filter paper	Not reached Not ignited

Test method	Product	Number of tests	Parameters	Results
				Continuous parameters Mean values
EN ISO 9239-1	CONIPUR EPDM	3	Critical heat flux (kW/m ²) Smoke (%.min)	4.09 181
	CONIPUR EPDM FL	3	Critical heat flux (kW/m ²) Smoke (%.min)	7.52 50

4. Classification and direct field of application

4.1 Reference of the classification

This classification has been carried out in accordance with clauses 12.4 and 12.9.2 of the NF EN 13501-1+A1:2013 standard.

4.2 Classification

Fire behaviour		Smoke production
D_{fl}	-	s1

Classification: D_{fl} - s1

4.3 Field of application

This classification is valid for the following product parameters:

- A thickness of about 13 mm.
- An overall applied quantity of about 15 kg/m².
- For the "CONIPUR EPDM" version.

This classification is valid for the following end use conditions:

- Poured over any A2_{fl}-s1 or A1_{fl} class substrate with a density ≥ 1350 kg/m³.

5. Classification and direct field of application

5.1 Reference of the classification

This classification has been carried out in accordance with clauses 12.5 and 12.9.2 of the NF EN 13501-1+A1:2013 standard.

5.2 Classification

Fire behaviour		Smoke production
C_{fi}	-	s1

Classification: C_{fi} - s1

5.3 Field of application

This classification is valid for the following product parameters:

- A thickness of about 13 mm.
- An overall applied quantity of about 15 kg/m².
- For the "CONIPUR EPDM FL" version.

This classification is valid for the following end use conditions:

- Poured over any A2_{fi}-s1 or A1_{fi} class substrate with a density ≥ 1350 kg/m³.

6. Limitations

The present document does not represent type approval or certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of system 3 attestation of conformity and CE marking under the European Construction Products Regulation (regulation UE no. 305/2011).

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Champs-sur-Marne, April 11th, 2014

The Report Writer



Mickaël GOULE

**The Head of Reaction to Fire
Laboratory**



Nicolas ROURE

.....END OF THE CLASSIFICATION REPORT