



REACTION TO FIRE CLASSIFICATION REPORT
N° 2014/080-2

(English version of classification report N°2014/080-1)

According to EN 13501-1 (2007) + A1 (2013)

Notification by the French Government to the European Commission
under n° NB 2401
Regulation (UE) n° 305/2011

Sponsor : FORBO SARLINO SAS
63 rue Gosset
51055 REIMS
FRANCE

Product name : MARMOLEUM MODAL – MARMOLEUM DUAL –
MARMOLEUM MODULAR – MARMOLEUM TILES –
MARMOLEUM DALLES

Description : Resilient floor covering Linoleum (EN 548 family)
(see detailed description in paragraph 2)

Date of issue : 21/11/2014

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 article of the consumption's code of the law dated June 3rd 1994.

*The reproduction of this classification report is only authorised in its integral form.
It comprise 4 pages*

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 standard: September 2007 & A1 (2013).

2. Details of classified product2.1. Product standard

NF EN 14041 (2005): « Resilient, textile and laminate floor coverings - Essential characteristics.

2.2. Product description

Resilient floor covering Linoleum in size tiles of 50 cm x 50 cm (EN 548 family).

Tested glued (acrylic glue UZIN UZ 57 with 300 g/m² deposing) over a wood panel particle board without flame retarded classified C_{fl}-s1, with a density (680 ± 50) Kg/m³ and thickness (20 ± 2) mm.

Use surface: 100 % Linoleum.

Nominal mass per unit area : 3000 g/m².

Nominal total thickness : 2,5 mm.

3. Test reports and tests results in support of this classification3.1. Tests reports

Name of laboratory	Name of sponsor	Test report N°	Test method
C.R.E.T.	FORBO SARLINO SAS 63 rue Gosset 51055 REIMS FRANCE	RL 2014/503	NF EN ISO 9239-1

3.2. Tests results

Classes of reaction to fire for textile floor coverings, classified without further testing.

Test method	The floorings « MARMOLEUM MODAL – MARMOLEUM DUAL – MARMOLEUM MODULAR – MARMOLEUM TILES – MARMOLEUM DALLES » meet the requirements of table 3 of the standard EN 14041 and are classified without further testing (CWFT)
NF EN ISO 11925-2	Classification E_{fl}

Test method	Product	Number of tests	Parameters	Results
				Continuous parameters : mean value
NF EN ISO 9239-1	MARMOLEUM MODAL – MARMOLEUM DUAL – MARMOLEUM MODULAR – MARMOLEUM TILES – MARMOLEUM DALLES	3	Critical heat flux (kW/m ²)	5,6
			Smoke (% X min)	537,8

4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with EN 13501-1 :2007 & A1 (2013).

4.2. Classification

Fire behaviour		Smoke production
C _{fl}	-	s1

Classification : C_{fl} – s1

4.3. Field of application

This classification is valid for the following end use applications :

Glued over a wood panel particle board without flame retarded classified C_{fl}-s1 with a density $\geq 510 \text{ kg/m}^3$ and over a fibre-cement A2_{fl} or A1_{fl} class with a density $\geq 1350 \text{ kg/m}^3$.

This classification is valid for the following product parameters :

- A nominal mass per unit area of: 3000 g/m²
- A nominal thickness of : 2,5 mm

5. Limitations

This classification 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 conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (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.”

The Responsible for the Test
David VANDIERDONCK

A handwritten signature in black ink, appearing to be 'D. Vandierdonck', written over a horizontal line.

For the SARL C.R.E.T.
The Technical Director
Marc WELCOMME

A handwritten signature in black ink, appearing to be 'M. Welcomme', written in a stylized, cursive manner.

End of the classification report