le futur en construction
SAFETY, STRUCTURES AND FIRE DEPARTMENT
Reaction to Fire

REACTION TO FIRE CLASSIFICATION REPORT No. RA14-0013 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 14041:2005 "Resilient, textile and laminate floor coverings – Essential characteristics"

Owner:	**FORBO SARLINO SAS** **63 rue Gosset** **51055 REIMS** **FRANCE**
Commercial brand(s):	**TRAFIC COMPACT 33** **TRAFIC COMPACT 43** **SARLON TRAFIC COMPACT 33** **SARLON TRAFIC COMPACT 43** **SARLON PRIMEO COMPACT 33** **SARLON PRIMEO COMPACT 43** **SARLON COMPACT 33** **SARLON COMPACT 43**
Manufacturing unit(s):	**The manufacturing unit appears in the associated test report**
Brief description:	**Floor covering** (see detailed description in paragraph 2)
Date of issue:	**January 21st, 2014**

Modification of the document RA08-0135 for addition of new commercial brands.
The document RA14-0013 dated January 21st, 2014 cancels and replaces the document RA08-0135 dated April 3rd, 2008.

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

Heterogeneous vinyl floor coverings "TRAFIC COMPACT 33" and "43" glued over "SARLIBASE TE" underlay, tested loose-laid over 22 mm thick wood particleboard.

Floorings consisting of:
- A polyurethane varnish layer applied at the rate of 15 g/m².
- A 0.65 mm thick (ref. 33) and 0.70 mm thick (ref.43) transparent overlay made of polyvinyl chloride.
- A compact intermediate layer made of polyvinyl chloride reinforced with a glass tissue.
- A backing layer made of compact polyvinyl chloride.

Overall nominal weight per unit area of the flooring: 2.4 kg/m².
Overall nominal thickness of the flooring: 2 mm.
Measured weight per unit area of the "SARLIBASE TE" underlay: about 1360 g/m².
Measured thickness of the "SARLIBASE TE" underlay: about 1.6 mm.
Colours: various.

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	**FORBO SARLINO SAS 63 rue Gosset 51055 REIMS FRANCE**	**ES541130567**	Modification file	-
		ES541070934	RA08-0135	EN ISO 9239-1:2002

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results
				Continuous parameters Mean valueS
EN ISO 9239-1	TRAFFIC COMPACT 33	3	Critical flux (kW/m^2) Smoke (%.min)	**8.17** **574**
	TRAFFIC COMPACT 43	1	Critical flux (kW/m^2) Smoke (%.min)	**8.20** **538**

Test method	**According to the NF EN14041 standard it is not necessary to perform this test to classify this product.**
EN ISO 11925-2	

4. Classification and direct field of application

4.1 Reference of the classification

This classification has been carried out in accordance with clauses 12.6 and 12.9.2 of the NF EN 13501-1+A1:2013 standard.

4.2 Classification

Fire behaviour		Smoke production
B_{fl}	-	s1

Classification: B_{fl} - s1

4.3 Field of application

This classification is valid for the following product parameters:

- An overall nominal thickness of flooring of 2 mm.
- An overall nominal weight per unit area of flooring of 2.4 kg/m^2.
- A thickness of "SARLIBASE TE" underlay of about 1.6 mm.
- A weight per unit area of "SARLIBASE TE" underlay of about 1360 g/m².

This classification is valid for the following end use conditions:

- Glued over "SARLIBASE TE" underlay and the whole loose-laid over any derivative wood panel with a density ≥ 510 kg/m^3 and any $A2_{fl}$-s1 or $A1_{fl}$ class substrate with a density ≥ 1350 kg/m^3.

5. 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, January 21st, 2014

The Head of Reaction to Fire Laboratory

Nicolas ROURE

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