

## REACTION TO FIRE CLASSIFICATION REPORT No. RA12-0359 ACCORDING TO THE EUROPEAN STANDARD NF EN 13501-1

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:** "Resilient, textile and laminate floor coverings – Essential characteristics"

**Owner:** FORBO SARLINO SAS  
63 rue Gosset  
51100 REIMS  
FRANCE

**Commercial brand(s):** SARLON 19 dB 33  
SARLON 19 dB 43  
SARLON 19 dB 33 + SARLIBASE TE underlay  
SARLON 19 dB 43 + SARLIBASE TE underlay

**Brief description:** Vinyl floor covering  
(see detailed description in paragraph 2)

**Date of issue:** October 08<sup>th</sup>, 2012

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 and of the law dated June 3<sup>rd</sup>, 1994.  
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 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.

## 2. Product description

Vinyl floor coverings tested glued and loose-laid (with a glued underlay referenced "SARLIBASE TE") on 22 mm thick wood particleboard.

Floor coverings consisting of:

- A 0.52 mm thick for the reference "SARLON 19 dB 33" or 0.67 mm thick for the reference "SARLON 19 dB 43" transparent overlay made of polyvinyl chloride.
- A decorative layer made of polyvinyl chloride.
- An intermediate layer made of polyvinyl chloride reinforced with a glass tissue.
- A backing foam made of polyvinyl chloride.

Nominal weights per unit area: 2.7 kg/m<sup>2</sup> (for the reference "SARLON 19 dB 33") and 2.9 kg/m<sup>2</sup> (for the reference "SARLON 19 dB 43").

Nominal thicknesses: 3.25 mm (for the reference "SARLON 19 dB 33") and 3.40 mm (for the reference "SARLON 19 dB 43").

Colours and appearances: various.

Underlay referenced "SARLIBASE TE" with a thickness of 1.5 mm made of polyvinyl chloride reinforced with glass mats.

## 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 51100 REIMS FRANCE	ES541030830	RA04-0172	EN ISO 11925-2 EN ISO 9239-1
		ES541120488	Modification file	-

**3.2 Tests results**

Test method	Product	Number of tests	Parameters	Results
				Compliance parameters
EN ISO 11925-2 Surface exposure - 15 seconds	SARLON 19 dB 33 Glued on wood particleboard	2	Fs > 150 mm Filter paper	<b>Not reached</b> <b>Not ignited</b>
	SARLON 19 dB 33 Loose-laid (with "SARLIBASE TE" underlay) on wood particleboard	1	Fs > 150 mm Filter paper	<b>Not reached</b> <b>Not ignited</b>
	SARLON 19 dB 43 Glued on wood particleboard	2	Fs > 150 mm Filter paper	<b>Not reached</b> <b>Not ignited</b>
	SARLON 19 dB 43 Loose-laid (with "SARLIBASE TE" underlay) on wood particleboard	1	Fs > 150 mm Filter paper	<b>Not reached</b> <b>Not ignited</b>

Test method	Product	Number of tests	Parameters	Results
				Continuous parameters: mean value
EN ISO 9239-1	SARLON 19 dB 33 Glued on wood particleboard	3	Critical heat flux (kW/m <sup>2</sup> ) Smoke (%.min)	<b>7.44</b> <b>539</b>
	SARLON 19 dB 33 Loose-laid (with "SARLIBASE TE" underlay) on wood particleboard	3	Critical heat flux (kW/m <sup>2</sup> ) Smoke (%.min)	<b>6.58</b> <b>613</b>

**Three pre-tests performed on the reference "SARLON 19 dB 43" show the same results for critical heat flux and smoke.**

**4. Classification and direct field of application**

**4.1 Reference of the classification**

This classification has been carried out in accordance with clause(s) 12.5 and 12.9.2 of the NF EN 13501-1 standard.

**4.2 Classification**

Fire behaviour		Smoke production
<b>C<sub>fi</sub></b>	-	<b>s1</b>

**Classification: C<sub>fi</sub> - s1**

**4.3 Field of application**

This classification is valid for the following product parameters:

- The products described in paragraph 2.
- A nominal thickness of the covering of 3.25 mm (for the reference "SARLON 19 dB 33") and of 3.40 mm (for the reference "SARLON 19 dB 43").
- A nominal weight per unit area of the covering of 2.7 kg/m<sup>2</sup> (for the reference "SARLON 19 dB 33") and of 2.9 kg/m<sup>2</sup> (for the reference "SARLON 19 dB 43").
- Various colours and appearances.

This classification is valid for the following end use conditions:

- Glued or loose-laid (with glued "SARLIBASE TE" underlay) on any derivative wood panel with a density ≥ 470 kg/m<sup>3</sup> and on any A2<sub>fi</sub>-s1 or A1<sub>fi</sub> class substrate with a density ≥ 1200 kg/m<sup>3</sup>.

Champs-sur-Marne, October 08<sup>th</sup>, 2012

**The Head of Reaction to Fire  
laboratory**

**Nicolas ROURE**

.....END OF THE CLASSIFICATION REPORT