

## **REACTION TO FIRE CLASSIFICATION REPORT** **No. RA12-0360** **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 15 dB**  
**SARLON 15 dB + 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 5 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 covering tested glued and loose-laid (with a glued underlay referenced "SARLIBASE TE") on A2<sub>fl</sub>-s1 class fibre-cement substrate.

Vinyl covering consisting of:

- A 0.7 mm thick transparent overlay made of polyvinyl chloride.
- A 0.1 mm thick decorative layer made of polyvinyl chloride.
- A 1 mm thick intermediate layer made of compact polyvinyl chloride reinforced with a glass tissue.
- A 0.85 mm thick backing foam made of polyvinyl chloride.

Nominal weight per unit area: 2.7 kg/m<sup>2</sup>.

Nominal thickness: 2.6 mm.

Colours: 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	ES541030831	RA04-0031	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 15 dB Glued on fibre-cement substrate	4	Fs > 150 mm Filter paper	<b>Not reached</b> <b>Not ignited</b>
	SARLON 15 dB Loose-laid (with "SARLIBASE TE" underlay) on fibre-cement substrate	4	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 15 dB Glued on fibre-cement substrate	3	Critical heat flux (kW/m <sup>2</sup> ) Smoke (%.min)	<b>8.70</b> <b>471</b>
	SARLON 15 dB Loose-laid (with "SARLIBASE TE" underlay) on fibre-cement substrate	3	Critical heat flux (kW/m <sup>2</sup> ) Smoke (%.min)	<b>7.41</b> <b>491</b>

## 4. Classification and direct field of application

### 4.1 Reference of the classification

This classification has been carried out in accordance with clause(s) 12.6 and 12.9.2 of the NF EN 13501-1 standard.

### 4.2 Classification

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

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

### 4.3 Field of application

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- A nominal thickness of the covering of 2.6 mm.
- A nominal weight per unit area of the covering of 2.7 kg/m<sup>2</sup>.
- Various colours.

This classification is valid for the following end use conditions:

- Glued on any A2<sub>fi</sub>-s1 or A1<sub>fi</sub> class substrate with a density  $\geq 1200$  kg/m<sup>3</sup>.

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

**5.1 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.

**5.2 Classification**

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

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

**5.3 Field of application**

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- A nominal thickness of the covering of 2.6 mm.
- A nominal weight per unit area of the covering of 2.7 kg/m<sup>2</sup>.
- Various colours.

This classification is valid for the following end use conditions:

- Loose-laid (with glued "SARLIBASE TE" underlay) on any A2<sub>fl</sub>-s1 or A1<sub>fl</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