



REACTION TO FIRE CLASSIFICATION REPORT  
N° 2021/013-2

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

(English version of classification report N°2021/013-1)

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 : Sphera glued on Sarlibase acoustic (TEAC)

Description : Polyvinyl chloride floor coverings (EN ISO 10581 family)  
(see detailed description in paragraph 2)

Date of issue : 21/01/2021

*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 3<sup>rd</sup> 1994.*

*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: September 2007 & A1 (2013).

**2. Details of classified product****2.1. Product standard**

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

**2.2. Product description**

**Sphera**: Homogeneous polyvinyl chloride floor covering (EN ISO 10581 family).

Use surface : PVC

Nominal mass per unit area : 4430 g/m<sup>2</sup>

Nominal total thickness : 4,0 mm

**Sarlibase acoustic underlay (TEAC)**

Nominal mass per unit area : 1230 g/m<sup>2</sup>

Nominal total thickness : 2,0 mm

**Installation**: Resilient floor covering Sphera tested glued (acrylic glued with depositing 250 g/m<sup>2</sup>) on Sarlibase acoustic underlay (TEAC) : together tested loose laid over a wood panel particle board without flame retarded classified C<sub>f</sub>-s1 with a density (680 ± 50) kg/m<sup>3</sup> and thickness (20 ± 2) mm.

**3. Test reports and tests results in support of this classification****3.1. 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 CEDEX	RL 2021/012-1	NF EN ISO 9239-1
		RL 2021/012-2	NF EN ISO 11925-2

**3.2. Tests results**

Test method	Product	Number of tests	Results	
			Parameters	Compliance parameters
NF EN ISO 11925-2	Sphera glued on Sarlibase acoustic (TEAC)	6	F <sub>s</sub> ≤ 150 mm	Compliant
Surface exposure-15 secondes			Ignition of the filter paper	Compliant

Test method	Product	Number of tests	Parameters	Results
				Continuous parameters : mean value
NF EN ISO 9239-1	Sphera glued on Sarlibase acoustic (TEAC)	3	Critical heat flux (kW/m <sup>2</sup> )	≥ 11
			Smoke (% X min)	187,8

#### 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
B <sub>f1</sub>	-	s1

**Classification : B<sub>f1</sub> – s1**

##### 4.3. Field of application

This classification is valid for the following end use applications :

Resilient floor covering Sphera glued on Sarlibase acoustic underlay (TEAC).  
Together loose laid over a wood panel particle board without flame retarded with a density ≥ 510 kg/m<sup>3</sup> and over a fibre-cement A2<sub>f1</sub> or A1<sub>f1</sub> class with a density ≥ 1350 kg/m<sup>3</sup>.

This classification is valid for the following product parameters :

##### Sphera

- A nominal mass per unit area of : 4430 g/m<sup>2</sup>
- A nominal thickness of : 4,0 mm

##### Sarlibase acoustic underlay (TEAC)

- A nominal mass per unit area of : 1230 g/m<sup>2</sup>
- A nominal thickness of : 2,0 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.”

Head of Test  
David VANDIERDONCK



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



*End of the classification report*