



## REACTION TO FIRE CLASSIFICATION REPORT N° 2020/177

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 FLOORING SYSTEMS  
63 rue Gosset  
51055 REIMS  
FRANCE

Product name : Sphera StarT

Description : Resilient floor covering (EN ISO 10581 family)  
(see detailed description in paragraph 2)

Date of issue : 18/11/2020

*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 3 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

Resilient floor covering - Polyvinyl chloride homogenous floor coverings (EN ISO 10581 family).

Tested glued (acrylic glued with depositing 300 g/m<sup>2</sup>) over a wood panel particle board without flame retarded classified C<sub>fl</sub>-s1 with a density (680 ± 50) kg/m<sup>3</sup> and thickness (20 ± 2) mm.

Use surface: 100 % PVC

Nominal mass per unit area : 2800 g/m<sup>2</sup>

Nominal total thickness : 2,00 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 FLOORING SYSTEMS 63 rue Gosset 51055 REIMS FRANCE	RL 2020/727	NF EN ISO 9239-1

### 3.2. Tests results

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

Test method NF EN ISO 11925-2	The flooring “ <b>Sphera StarT</b> ” meets the requirements of table 3 of the standard EN 14041 and is classified E <sub>fl</sub> without further testing (CWFT)
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Test method	Product	Number of tests	Parameters	Results
				Continuous parameters : mean value
NF EN ISO 9239-1	Sphera StarT	3	Critical heat flux (kW/m <sup>2</sup> )	≥ 11
			Smoke (% X min)	94,8

## 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>fl</sub>	-	s1

**Classification : B<sub>fl</sub> – 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<sub>fl</sub>-s1 with a density  $\geq 510 \text{ kg/m}^3$  and over a fibre-cement A2<sub>fl</sub> or A1<sub>fl</sub> 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: 2800 g/m<sup>2</sup>
- A nominal thickness of : 2,00 mm

5. Limitations

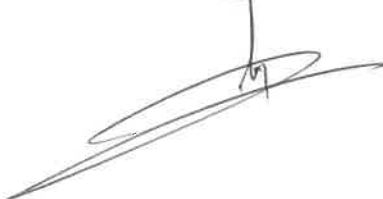
This classification document does not represent type approval or certification of the product.

“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 Tests  
David VANDIERDONCK



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



*End of the classification report*