



## REACTION TO FIRE CLASSIFICATION REPORT N° 2023/002-2

According to EN 13501-1 (2018)

(English version of classification report N°2023/002-1)

Notification by the French Government to the European Commission  
under n° NB 2401  
Regulation (UE) n° 305/2011

Sponsor : GERFLOR  
50 Cours de la République  
69627 VILLEURBANNE CEDEX  
FRANCE

Product name : VIRTUO 55  
(New trademark of classification report 2021/162-2  
of 20/09/2021)

Description : Polyvinyl chloride floor coverings (EN ISO 10582 family)  
(see detailed description in paragraph 2)

Date of issue : 04/01/2023

*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.*

*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 in accordance with the procedures given in the NF EN 13501-1 standard (2018).

**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**

Heterogeneous polyvinyl chloride floorcovering (EN ISO 10582 family) in size LVT of 184,15 mm x 1219,2 mm – 208 mm x 1243 mm and tile of 496,5 mm x 496,5 mm – 496,5 mm x 996,5 mm.

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

Use surface : Plasticized PVC

Nominal mass per unit area : 3850 g/m<sup>2</sup>

Nominal total thickness : 2,50 mm

Nominal total wear layer : 0,55 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.	GERFLOR 50 Cours de la République 69627 VILLEURBANNE CEDEX	RL 2021/543-1	NF EN ISO 9239-1 (EN ISO 9239-1 :2010)
		RL 2021/543-2	NF EN ISO 11925-2 (EN ISO 11925-2 :2010)

**3.2. Tests results**

Test method	Product	Number of tests	Results	
			Parameters	Compliance parameters
NF EN ISO 11925-2	VIRTUO 55	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	VIRTUO 55	3	Critical heat flux (kW/m <sup>2</sup> )	10,5
			Smoke (% X min)	178,5

**4. Classification and field of application****4.1. Reference of classification**

This classification has been carried out in accordance with EN 13501-1 (2018).

**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>-s1 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 : 3850 g/m<sup>2</sup>
- A nominal thickness of : 2,50 mm
- A nominal thickness wear layer : 0,55 mm

**5. Limitations**

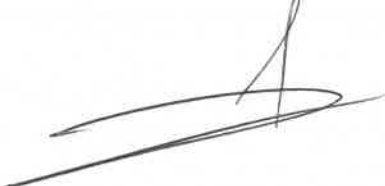
This classification document does not represent type approval or certification of the product.

“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 of AVCP and CE marking under the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of constructions products.


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*