



# CLASSIFICATION REPORT REACTION TO FIRE

Report Number

**CR 24-1004-01**

Report Type

**ORIGINAL**

Report Date

8-10-2024

Prepared by

Ghent University, Centre for Textile Science and Engineering (CTSE)  
Notified Laboratory N° 1611 under EU-Regulation 305/2011

Product Name <sup>(ci)</sup>

**Family group: Group 2 - Expanded (cushioned) polyvinyl chloride floor covering with textile backing**

Manufacturer 1

Tarkett Holding GmbH  
Granastrasse 122 - 54329 Konz - Germany

Manufacturer 2

Tarkett d.o.o  
Industrijska Zona 14 - 21400 Bačka Palanka - Serbia

Sponsor

Tarkett Holding GmbH  
Granastrasse 122 - 54329 Konz - Germany

**Notes**

This classification document does not represent type approval or certification of the product.  
Results from test methods denoted by \* are ISO 17025 accredited, cf. Belac 055-test.  
Conclusion, comments and opinions denoted by \* are ISO 17025 accredited, cf. Belac 055-test.  
Ghent University holds no responsibility for information provided by the client/sponsor (denoted by <sup>(ci)</sup>).  
When checking conformity, measurement uncertainty is not taken into account, unless otherwise stated.  
This report is only valid when it is digitally signed.  
This report can be shared only in its complete and unaltered form and in consent with the sponsor.



## 1. Introduction

This classification report defines the classification assigned to **Family group: Group 2 - Expanded (cushioned) polyvinyl chloride floor covering with textile backing**, in accordance with the procedures given in EN 13501-1 (2018)\*.

## 2. Details of classified product <sup>(ci)</sup>

### 2.1 General

The product, **Family group: Group 2 - Expanded (cushioned) polyvinyl chloride floor covering with textile backing**, is defined as floorcovering (*in compliance with EN14041*).

### 2.2 Product description

The product, **Family group: Group 2 - Expanded (cushioned) polyvinyl chloride floor covering with textile backing** is described below and in the test report(s) listed in Clause 3.1.

Total product description	See list in ANNEX of qualities belonging to this product family
Composition of layer(s)	Family group: Group 2 - Floorcovering consisting of expanded (cushioned) polyvinyl chloride and with textile backing
Flame retardant treatment	No

## 3. Reports and results in support of classification

### 3.1 Test reports

Name of test laboratory	Name of sponsor	Test report number	Test method
Ghent University - Centre for Textile Science and Engineering	Tarkett Holding GmbH	19-0562-07,-08,-11,-12 (CR 19-0562-03) 24-0575-03, -04	EN ISO 9239-1 (2010)*
Ghent University - Centre for Textile Science and Engineering	Tarkett Holding GmbH	19-0562-07,-08,-11,-12 (CR 19-0562-03)	EN ISO 11925-2 (2010)*

### 3.2 Test results

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1 (2010)*	Critical flux (kW/m <sup>2</sup> )	3	6.8	Cfl
	Smoke (%.min)		126	s1
EN ISO 11925-2 (2010)*	Fs	6	PASS	PASS

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1 (2010)*	Critical flux (kW/m <sup>2</sup> )	3	6.0	Cfl
	Smoke (%.min)		151	s1
EN ISO 11925-2 (2010)*	Fs	6	PASS	PASS

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1 (2010)*	Critical flux (kW/m <sup>2</sup> )	3	6.8	C <sub>fl</sub>
	Smoke (%.min)		126	s1
EN ISO 11925-2 (2010)*	F <sub>s</sub>	6	PASS	PASS

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1 (2010)*	Critical flux (kW/m <sup>2</sup> )	3	6.8	C <sub>fl</sub>
	Smoke (%.min)		151	s1
EN ISO 11925-2 (2010)*	F <sub>s</sub>	6	PASS	PASS

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1 (2010)*	Critical flux (kW/m <sup>2</sup> )	3	6.8	C <sub>fl</sub>
	Smoke (%.min)		94	s1

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1 (2010)*	Critical flux (kW/m <sup>2</sup> )	3	7.2	C <sub>fl</sub>
	Smoke (%.min)		83	s1

## 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

The product, **Family group: Group 2 - Expanded (cushioned) polyvinyl chloride floor covering with textile backing**, in relation to its reaction to fire behaviour is classified: **C<sub>fl</sub>**

The additional classification in relation to smoke production is: **s1**

Given the field of application in §4.3 and limitations in §5, it meets the requirements of

## Classification for reaction to fire of floorings: C<sub>fl</sub> - s1

### 4.3 Field of application

This classification is valid for the following product parameters<sup>(ci)</sup>:

	Min.	Max.
Range of total mass (kg/m <sup>2</sup> )	1.48	2.14
Range of total thickness (mm)	2.2	3.2

See description in section 2.2 of this report, as well as any other relevant information provided by the sponsor.

This classification is valid for the following end use applications:

End Use <sup>(ci)</sup>	Indoor floorcovering
Deposition method	glued down on wood glued down on concrete
Substrates	Euroclass C or A2
Joints	not applicable

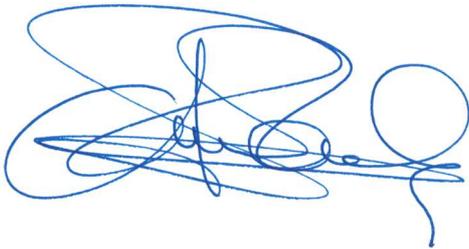
See installation specifications given by the sponsor.

## 5. Limitations

The test laboratory has played no part in sampling of the test material, nor in the naming of the sample, although it holds appropriate references, supplied by the sponsor, to provide for traceability of the samples tested.

The classification is only valid for products complying with the samples tested. Any deviation from the product or installation specifications cited above, may change the classification.

The manufacturer has made a declaration, which is held on file. This confirms that the design requires no specific processes, procedures or stages (e.g. 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 within the context of CPR 305/2011/EU.



Didier Van Daele  
Head of certification

## Annex

### List of qualities belonging to Family group

#### Group 2 - Expanded (cushioned) polyvinyl chloride floor covering with textile backing

Traded names	Total weight in g/m <sup>2</sup>	Total thickness in mm	Wear layer thickness in mm
ICONIK 220T ICONIK 220Tex Essentials 220T Design 220T SOL VNL AEROTEX	1480	2.20	0.250
ICONIK 250Tex	1440	2.50	0.150
ICONIK 260T ICONIK 260Tex Essentials 260T	1530	2.60	0.200