



**Zhangjiagang Kailida Plastic Co Ltd**  
**No. 107, Kaidi Road, Tianzhuang Village**  
**Gangkou, Fenghuang Town**  
**ZHANGJIAGANG CITY, JIANGSU**  
**China**

**Your notice of**  
01-02-2022

**Your reference**

**Date**  
15-03-2022

## Analysis Report 22.00604.01

Required tests :

**EN 13501-1 (2019)**

Sample id	Information given by the client	Date of receipt
T2202114	Vinyl Tiles 2 mm	01-02-2022

**Kristina De Temmerman**  
Order responsible

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The results of the analysis cover the received samples. Centexbel is not responsible for the representativeness of the samples.  
In assessing compliance with the specifications, we did not take into account the uncertainty on the test results.



**Reference: T2202114 - Vinyl Tiles 2 mm**

**Information given by the client**

Product standard	EN 13501-1 (2019)
Floor covering type	Heterogeneous polyvinyl chloride floor coverings
EN product standard	EN ISO 10582
FR treated	no
Mass	3.648 kg/m <sup>2</sup>
Thickness	2.0 mm

**Notified body No: 0493**

**Reference:** T2202114 - Vinyl Tiles 2 mm

**Reaction to fire tests – Ignitability of building products subjected to direct impingement of flame - Single-flame source test**

Date of ending the test 25-02-2022  
Standard used EN ISO 11925-2 (2020)  
Product standard EN 13501-1 (2019)

**Floor covering**

Deviation from the standard -

Conditioning 23°C, relative humidity 50%  
Minimum 14 days or until constant mass is achieved

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Weight (g/m<sup>2</sup>) 3644  
Dimension of the specimens 250 mm x 90 mm x 2 mm  
Substrate Fibre cement board - density (1800 ± 200) kg/m<sup>3</sup>  
Mounting Loose-laid  
Specimens have not been cleaned  
Joint In width direction : at 15.2 cm



Flame application time (s) 15  
Flame application Surface - front

	Length			Width		
	1	2	3	4	5	6
<b>Ignition</b>	no	no	no	no	no	no
<b>Time to reach 150 mm mark (s)</b>	*	*	*	*	*	*
<b>Additional observations</b>						
<b>Molten debris within 20 s after flame application</b>	no	no	no	no	no	no
<b>Hole formed within 20 s after flame application</b>	no	no	no	no	no	no

\* = time to reach the mark > 20 s or mark not reached

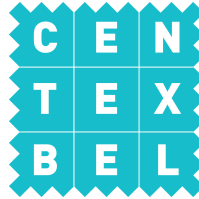
**Criteria Floorcoverings**

time to reach the mark: - > 20 s : Class Efl  
- ≤ 20 s : Class Ffl

**Classification** **Class Efl**

**Limitations**

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



**Reference:** T2202114 - Vinyl Tiles 2 mm

**Reaction to fire tests for floorings - Determination of the burning behaviour using a radiant heat source**

Date of ending the test	25-02-2022
Standard used	EN ISO 9239-1 (2010)
Product standard	EN 13501-1 (2019)
Deviation from the standard	-
Conditioning	23°C, relative humidity 50% Minimum 14 days or until constant mass is achieved

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test: they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

**Test specimen**

Substrate	Fibre cement board - density (1800 ± 200) kg/m <sup>3</sup>
Mounting	Stuck down with UZIN UZ 57 / Unipro - low emission, solvent-free dispersion adhesive – "EC1 very low emission"
Specimens have not been cleaned	
Joint	In length direction : at 25 cm and at the centreline from the zero point In width direction : each 15,2 cm

**Radiant heat flux**

	Flame spread distance (cm)			Flame time	Heat flux * kW/m <sup>2</sup>
	10 min	20 min	30 min		
Width					
#1	<11	<11	<11	12 min 00 s	≥ 11
Length					
#1	<11	<11	<11	12 min 00 s	≥ 11
#2	<11	<11	<11	12 min 00 s	≥ 11
#3	<11	<11	<11	12 min 00 s	≥ 11
Average					≥ 11

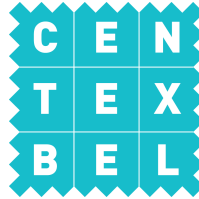
\* Heat flux at the time of flame extinguishment or after a test duration of 30 minutes.

Fire classification in accordance with EN 13501-1 (2019)		
Class	EN ISO 11925-2 or CWFT	EN ISO 9239-1 (test duration = 30 min)
B <sub>f1</sub>	E <sub>f1</sub>	heat flux ≥ 8,0 kW/m <sup>2</sup>
C <sub>f1</sub>	E <sub>f1</sub>	heat flux ≥ 4,5 kW/m <sup>2</sup>
D <sub>f1</sub>	E <sub>f1</sub>	heat flux ≥ 3,0 kW/m <sup>2</sup>

**Smoke production: Light attenuation**

	Maximum (%)	Total (%.min)
Width		
#1	7	42
Length		
#1	9	37
#2	11	36
#3	5	40
Average		38

Additional classification in accordance with EN 13501-1 (2019)	
smoke production ≤ 750%.min	s1
smoke production > 750%.min	s2

**Reaction to fire classification : B<sub>n</sub>/ s1**

*Glued on a non-combustible substrate\**

*\* End use substrates of classes A1 or A2-s1,d0 (EN 13238:2010 § 5.2.2)*

**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 performance by the manufacturer within the context of system 3 of assessment and verification of constancy of performance and CE marking under the Construction Products Regulation.

The manufacturer has made a declaration, which is held on file. This confirms that the products 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.

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.”