



Maltzahn Carpet Innovation GmbH
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Germany

Your notice of
 31-03-2022

Your reference

Date
 20-05-2022

Analysis Report 22.01782.02

Required tests :

EN 13501-1 (2019)

Sample id	Information given by the client	Date of receipt
T2206305	Entry CMYK TPE Black	31-03-2022



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.

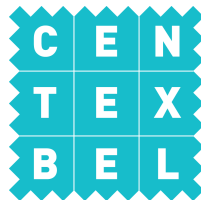


Reference: T2206305 - Entry CMYK TPE Black

Information given by the client

Product standard	EN 13501-1 (2019)
Production batch/piece number	RL 5524-2022
Date of carpet finishing	23-03-2022
FR treated	no
FR-surface treatment	no
Type of manufacture	Tufted
Use-surface	PA
Substrate, support	Fibre fleece
Backing layer	TPE
Total mass	1800 g/m ²
Pile thickness	4.0 mm
Total thickness	5.2 mm
Surface structure	Cut pile

Notified body No: 0493



Reference: T2206305 - Entry CMYK TPE Black

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

Product standard EN 13501-1 (2019)

Classification of textile floor coverings in accordance with EN 14041 (2004) § 4.1.4

“The textile floor coverings listed in Table 2, in the end uses identified in the table, are classified without further testing (CWFT) in the classes shown and do not require testing in respect of these end uses and classes”.

Table 2 – Classes of reaction to fire for textile floor coverings, classified without further testing

Floor covering type ¹	EN product standard	Class ³ Floorings
Non-FR machine-made wall-to-wall carpets and pile carpet tiles ²	EN 1307	E _n
Non-FR needled textile floor coverings without pile ²	EN 1470	E _n
Non-FR needled textile floor coverings with pile ²	EN 13297	E _n
¹) Floor covering glued or loose laid over a Class A2-s1,d0 substrate ²) Textile floor coverings having a total mass of max. 4.8 kg/m ² , a minimum pile thickness of 1,8 mm (ISO 1766) and - a surface of 100% wool - a surface of 80% wool or more – 20% polyamide or less - a surface of 80% wool or more – 20% polyamide/polyester or less - a surface of 100% polyamide - a surface of 100% polypropylene and if with SBR-foam backing, a total mass of > 0.780 kg/m². All polypropylene carpets with other foam backings are excluded. ³) Class as provided for in Table 2 in the Annex to Decision 2000/147/EC.		

Classification

Class E_n



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

Date of ending the test	19-05-2022
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 $(1800 \pm 200) \text{ kg/m}^3$
Mounting	Stuck down with UZIN UZ 57 / Unipro - low emission, solvent-free dispersion adhesive – "EC1 very low emission"
Specimens have not been cleaned	

Radiant heat flux

	Flame spread distance (cm)			Flame time	Heat flux *
	10 min	20 min	30 min		kW/m ²
Length					
#1	12	23	31	30 min 00 s	7.3
Width					
#1	12	24	32	30 min 00 s	7.1
#2	12	23	32	30 min 00 s	7.1
#3	12	23	32	30 min 00 s	6.9
Average					7.0

* 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 _{fl}	E _{fl}	heat flux ≥ 8,0 kW/m ²
C _{fl}	E _{fl}	heat flux ≥ 4,5 kW/m ²
D _{fl}	E _{fl}	heat flux ≥ 3,0 kW/m ²

Smoke production: Light attenuation

	Maximum (%)	Total (%.min)
Length		
#1	4	32
Width		
#1	3	30
#2	4	39
#3	6	50
Average		40

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



Reaction to fire classification : C_n/ 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.”