Forbo Flooring Coral nv
Postbus 17
1560 AA KROMMENIE
Netherlands

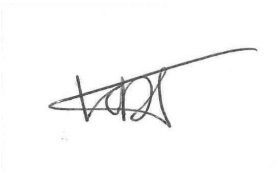
Your notice of	Your reference	Date
02-02-2021		05-03-2021

Analysis Report 21.00674.01

Required tests :

EN 13501-1 (2019)

Sample id	Information given by the client	Date of receipt
T2102285	Coral Interior	02-02-2021



Kristina De Temmerman
Order responsible

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.

ISO 17025 BELAC 056-TEST

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Reference: T2102285 - Coral Interior

Information given by the client

Product standard	EN 13501-1 (2019)
Production batch/piece number	I2021.141075
Date of carpet finishing	22-01-2021
FR treated	yes
FR-surface treatment	no
Type of manufacture	Tufted
Use-surface	PA regenerated yarn
Substrate, support	Fibre fleece PES with PA kernel
Backing layer	Vinyl wth a reinforced non woven with glassfibre
Total mass	4150 g/m²
Pile thickness	5 mm
Total thickness	9 mm
Surface structure	Cut pile

Notified body No: 0493

Reference: **T2102285 - Coral Interior**

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

Date of ending the test	05-03-2021
Standard used	EN ISO 11925-2 (2010)
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.

Substrate	Fibre cement board - density (1800 ± 200) kg/m³
Mounting	Loose-laid

Specimens have not been cleaned

Flame application time (s)	15
Flame application	Surface

	Length			Width		
	1	2	3	4	5	6
Time to reach 150 mm mark (s)	*	*	*	*	*	*

* = 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 E_{fl}**

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

Reference: T2102285 - Coral Interior

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

Date of ending the test	02-03-2021
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/m³
Mounting	Stuck down with Eurocol 542
Specimens have not been cleaned	
Joint	At 25 cm and 75 cm

Radiant heat flux

	Flame spread distance (cm)			**Flame time**	**Heat flux ***
	10 min	20 min	30 min		**kW/m²**
Width					
#1	<11	<11	<11	13 min 10 s	≥ 11.0
Length					
#1	<11	<11	<11	12 min 00 s	≥ 11.0
#2	<11	<11	<11	12 min 00 s	≥ 11.0
#3	<11	<11	<11	14 min 30 s	≥ 11.0
Average					≥ 11.0

* 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/m²
C_{fl}	E_{fl}	heat flux ≥ 4,5 kW/m²
D_{fl}	E_{fl}	heat flux ≥ 3,0 kW/m²

Smoke production: Light attenuation

	Maximum (%)	**Total (%.min)**
Width		
#1	9	44
Length		
#1	12	56
#2	10	49
#3	11	73
Average		59

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

Reaction to fire classification : B_{fl} / 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.