Forbo Flooring Coral nv
Postbus 17
1560 AA KROMMENIE
Netherlands

Your notice of	**Your reference**	**Date**
17-11-2020		11-01-2021

Analysis Report 20.07046.02

Required tests :

EN 13501-1 (2019)

Sample id	Information given by the client	Date of receipt
T2024821	Coral Duo EV	17-11-2020

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.

Reference: **T2024821 - Coral Duo EV**

Information given by the client

Product standard	EN 13501-1 (2019)
Production batch/piece number	1251702100
Date of carpet finishing	30-10-2020
FR treated	yes
FR-surface treatment	no
Type of manufacture	Tufted
Use-surface	PA 6
Substrate, support	PES/PA
Backing layer	Vinyl
Total mass	3800 g/m²
Pile thickness	7 mm
Total thickness	9 mm
Surface structure	Cut pile

Notified body No: 0493

Reference: **T2024821 - Coral Duo EV**

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_{fl}
Non-FR needled textile floor coverings without pile[2]	EN 1470	E_{fl}
Non-FR needled textile floor coverings with pile[2]	EN 13297	E_{fl}

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/m², 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_{fl}**

Reference: **T2024821 - Coral Duo EV**

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

Date of ending the test	08-01-2021
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 640 with spatula A2

Specimens have not been cleaned

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 20 s	≥ 11.0
Length					
#1	<11	17	17	21 min 43 s	9.9
#2	<11	19	260	30 min 00 s	8.1
#3	<11	19	19	24 min 35 s	9.5
Average					9.2

* 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	5	44
Length		
#1	7	89
#2	6	85
#3	9	93
Average		89

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.