

**Forbo Flooring Coral nv**  
**Dhr. Jan van Galen**  
**Postbus 17**  
**1560 AA KROMMENIE**  
**Nederland**



<b>Your notice of</b>	<b>Your reference</b>	<b>Date</b>
08-02-2016		23-02-2016

**Analysis Report 16.00634.09**

Required tests :

**EN 13501-1 (2007) + A1 (2009)**

Identification number	Information given by the client	Date of receipt
T1602403	Coral Brush 5700	08-02-2016

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.

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**Reference: T1602403 - Coral Brush 5700**

**Information given by the client**

Product standard	EN 13501-1 (2007) + A1 (2009)
Production batch/piece number	18585
Date of carpet finishing	01-02-2016
FR treated	yes
FR-surface treatment	no
Type of manufacture	Tufted
Use-surface	PA 6
Substrate, support	Fibre fleece PES
Backing layer	Vinyl
Total mass	4000 g/m <sup>2</sup>
Pile thickness	6 mm
Total thickness	9 mm
Surface structure	Cut pile

**Notified body No: 0493**

**Reference: T1602403 - Coral Brush 5700**

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

Product standard EN 13501-1 (2007) + A1 (2009)

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**

<b>Floor covering type<sup>1</sup></b>	<b>EN product standard</b>	<b>Class<sup>3</sup> Floorings</b>
Non-FR machine-made wall-to-wall carpets and pile carpet tiles <sup>2</sup>	EN 1307	E <sub>n</sub>
Non-FR needled textile floor coverings without pile <sup>2</sup>	EN 1470	E <sub>n</sub>
Non-FR needled textile floor coverings with pile <sup>2</sup>	EN 13297	E <sub>n</sub>
<sup>1)</sup> Floor covering glued or loose laid over a Class A2-s1,d0 substrate <sup>2)</sup> Textile floor coverings having a total mass of max. 4.8 kg/m <sup>2</sup> , a minimum pile thickness of 1,8 mm (ISO 1766) and <ul style="list-style-type: none"> <li>- a surface of 100% wool</li> <li>- a surface of 80% wool or more – 20% polyamide or less</li> <li>- a surface of 80% wool or more – 20% polyamide/polyester or less</li> <li>- a surface of 100% polyamide</li> <li>- a surface of 100% polypropylene and if with SBR-foam backing, a total mass of &gt; 0.780 kg/m<sup>2</sup>. All polypropylene carpets with other foam backings are excluded.</li> </ul> <sup>3)</sup> Class as provided for in Table 2 in the Annex to Decision 2000/147/EC.		

**Classification**

**Class E<sub>n</sub>**

**Reference: T1602403 - Coral Brush 5700**

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

Date of ending the test	22-02-2016
Standard used	EN ISO 9239-1 (2010)
Product standard	EN 13501-1 (2007) + A1 (2009)
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 Eurocol 540
Cleaning	Specimens have not been cleaned

## Radiant heat flux

	Flame spread distance (cm)			Flame time	Heat flux * kW/m <sup>2</sup>
	10 min	20 min	30 min		
Length					
#1	13	25	33	30 min 00 s	6.8
Width					
#1	16	26	35	30 min 00 s	6.4
#2	12	19	26	30 min 00 s	8.2
#3	11	16	20	27 min 10 s	9.4
Average					8.0

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

Fire classification in accordance with EN 13501-1 (2007) + A1 (2009)		
Class	EN ISO 11925-2 or CWFT	EN ISO 9239-1 (test duration = 30 min)
B <sub>fl</sub>	E <sub>fl</sub>	heat flux ≥ 8,0 kW/m <sup>2</sup>
C <sub>fl</sub>	E <sub>fl</sub>	heat flux ≥ 4,5 kW/m <sup>2</sup>
D <sub>fl</sub>	E <sub>fl</sub>	heat flux ≥ 3,0 kW/m <sup>2</sup>

## Smoke production: Light attenuation

	Maximum (%)	Total (%.min)
Length		
#1	13	142
Width		
#1	17	129
#2	13	137
#3	10	59
Average		108

Additional classification in accordance with EN 13501-1 (2007) + A1 (2009)	
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 (ISO 13238:2010 § 5.2.2)*

**Limitations**

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