

**Forbo Flooring Coral nv**  
**Dhr. Jan van Galen**  
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**Nederland**



<b>Your notice of</b>	<b>Your reference</b>	<b>Date</b>
08-02-2016		16-02-2016

## **Analysis Report 16.00634.02**

Required tests :

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

Identification number	Information given by the client	Date of receipt
T1602399	Coral Grip 6100 HD	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: T1602399 - Coral Grip 6100 HD**

**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
Use-surface	PVC
Backing layer	Vinyl
Total mass	8100 g/m <sup>2</sup>
Total thickness	17 mm
Surface structure	Loop pile

**Notified body No: 0493**

**Reference: T1602399 - Coral Grip 6100 HD**

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

Date of ending the test 16-02-2016  
 Standard used EN ISO 11925-2 (2010)  
 Product standard EN 13501-1 (2007) + A1 (2009)

**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/m<sup>3</sup>  
 Mounting Loose-laid  
 Cleaning 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<sub>n</sub>**

**Limitations**

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

**Reference: T1602399 - Coral Grip 6100 HD**

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

Date of ending the test	16-02-2016
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		
Width					
#1	22	21	21	12 min 10 s	9.3
Length					
#1	25	23	23	12 min 25 s	8.9
#2	25	25	25	12 min 10 s	8.4
#3	25	25	25	12 min 20 s	8.4
Average					8.6

\* 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)
Width		
#1	86	447
Length		
#1	90	489
#2	90	458
#3	86	420
Average		456

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**

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