TÜV Rheinland Nederland B.V.

TÜVRheinland®
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The Netherlands

Testreport

Project number: 89210170
Report number: 89210170.03br

Date
05/08/2016

Project number
89210170

Report number
89210170.03br

Phone number client
+31 180 643 115

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Received:
A textile floor covering, marked as: **"199 Logo Imperial"**;
TÜV-reference: MT16-114199.03

Sampling procedure:
The samples are selected by the applicant. The test house has had no influence on the sampling procedure.

The samples have been received on 25/07/2016.

Article
199 Logo Imperial

Order:
Classification of burning behaviour according to EN 13501-1:2007+ A1:2009.

Test methods: Ignitability of products subjected to direct impingement of flame (ISO 11925-2:2010/C1:2011) and determination of the burning behaviour using a radiant heat source (ISO 9239-1:2010)

Appendix
I : Flooring Radiant Panel Single Specimen Report – 8 pages

Results:
See page three and four.

Appendix:
See page five up to and including twelve.

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Article
199 Logo Imperial

PRODUCT IDENTIFICATION

Applicant	: Superior Manufacturing Group- Europe B.V.
Name	: **199 Logo Imperial***
Type of manufacture	: Tufted
Type of surface	: Cut pile
Pile fibre composition	: PA 6.6*
Total thickness (mm)	: 7.3**
Total mass (gr/m^2)	: 3055**
Density (kg/m^3)	: 417**

** Applicant's declaration*
*** Determination by the test house after conditioning to constant mass is achieved.*

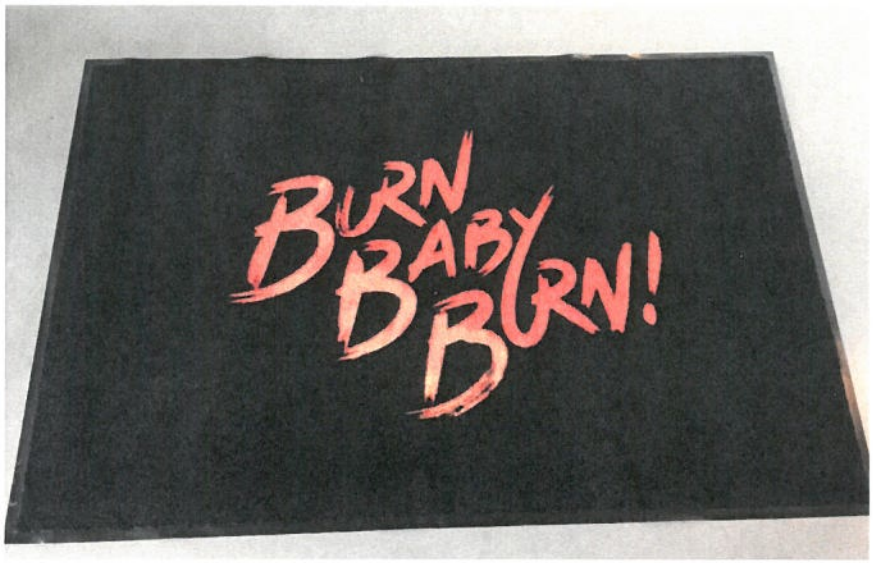

Figure 1, Picture of the received sample

TEST RESULTS

Ignitability of products subjected to direct impingement of flame
Method EN ISO 11925-2 :2010/C1:2011

Date of testing : 04/08/2016
Conditioning time, climate : ≥ 7 days, 23±2 °C and 50±5 %
Description of substrate : Fibre cement board, 8±2 mm, 1800±200 kg/m^3 conforming to EN 13238.
Flame application : Surface.
Flame application time : 15 seconds.

Orientation:	Length			Width		
Total burning time[1]	15	15	15	15	15	15
Flame tip reaches 150 mm (s)	No	No	No	No	No	No
Extent of damaged area, length (mm)	70	75	62	60	72	68
Extent of damaged area, width (mm)	15	16	16	15	16	15
Material melts (yes/no)	Yes	Yes	Yes	Yes	Yes	Yes
Shrinks away[2] (yes/no)	No	No	No	No	No	No
Glowing[3](sec)	No	No	No	No	No	No
Flaming debris (yes/no)	No	No	No	No	No	No
Ignition of filter paper (yes/no)	No	No	No	No	No	No

1 Inclusive a flame application time of 15 or 30 seconds with surface or edge impingement
2 Shrinks away from flame without being ignited
3 The time at which it occurs and its duration

Determination of the burning behaviour using a radiant heat source
Method EN ISO 9239-1:2010

Date of testing : 04/08/2016
Conditioning time, climate : ≥ 7 days, 23±2 °C and 50±5 %
Description of substrate : Fibre cement board, 8±2 mm, 1800±200 kg/m^3 conforming to EN 13238.
Sampling procedure : By contractor.
Description of cleaning used : None.
Fixing method : None, sample is tested loose laid on the substrate.

Test specimen, orientation	Flame spread (cm)	CRF (kW/m^2)	Peak light attenuation (%)	Smoke production (%.min)
1, Length	7.0	≥ 10.9	11.5	30
2, Width	8.0	≥ 10.9	11.2	29
3, Width	5.0	≥ 10.9	8.6	17
4, Width	8.0	≥ 10.9	12.7	31
Mean, Width	**7.0**	**≥ 10.9**	**10.8**	**26**

Specimen 1, 2, 3 and 4: No flashing, transitory- or sustained flaming are observed.
Specimen 1, 2, 3 and 4: Extinguished naturally before the end of the test duration

CONCLUSION

According to EN 13501-1:2007+ A1:2009 the tested sample of the aforementioned quality **"199 Logo Imperial"**, in relation to its reaction to fire behaviour is classified: **B_{fl}**.
The additional classification in relation to smoke production is: **s1.**

The aforementioned quality meets the requirement of reaction to fire classification:
B_{fl} – s1

The classification is valid for the following end use applications:
- End use substrates of classes A1 and A2-s1,d0.
- Any way of fixation, glued down or loose laid.

Statements:
The test results only relate to the behaviour of the test specimens of the examined product under the particular conditions of the test in laboratory conditions; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. The method might not be suitable if the product is exposed to much larger flames or heat radiant sources.

The validity of this report will expire directly after alterations or modifications of the examined product (combination)(s) and/or the criteria. This report shall not be reproduced, except in full, without the written approval of the testing laboratory.

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

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Review:
Mrs. E. Zwier

(End of report)