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## Report

Project number : T11-34622  
Report number : T11.34622.03br

**Date**  
20-01-2012

## **Received:**

A sample mat, marked as: “**Cushion Trax**”, 91cm black, dimensions: 91 cm x2.00 m.  
TÜV sample reference: MT11-34622.03.

**Project number**  
T11-34622

**Report number**  
T11.34622.03br

## **Request:**

Classification of burning behaviour according to EN 13501-1:2007.

**Phone number client**  
+31 180 643 115

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+31 180 611 551

## **Test method:**

Ignitability (direct impingement of flame) : EN ISO 11925-2.  
Reaction to fire (radiant panel) : EN ISO 9239-1.

**Article**  
Cushion Trax

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

## **Results:**

See page two up to and including three.

## **Appendix:**

See page four up to and including eleven.

TRN applies General Terms & Conditions  
which are filed at the office of the Clerk for  
civil affairs at the Court in Zutphen (the  
Netherlands) under number 35/2010,  
dated November 17th 2010.

**TEST RESULTS**
**Date**  
 20-01-2012

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 ➤ *Identification parameters*

Manufacturer : Superior Manufacturing Group-Europe B.V.\*  
 Type of use surface : patterned  
 Surface : vinyl (synthetic)  
 Roll no. : 0034488\*  
 Order no. : 113890\*  
 Product no. : 479C0036BL\*  
 ID : 479 Cushion Trax 91cm black\*  
 Ship date : WED 12/21/2011\*  
 Total mass per unit area kg/m<sup>2</sup> : 5.9  
 Total thickness, mm : 11.1

\* = manufacturer's declaration

 ➤ *Ignitability EN-ISO 11925-2:2010*

Conditioning time, climate : 6 days, 23 ± 2 °C and 50 ± 5 %  
 Date of testing : 19<sup>th</sup> January 2012  
 Description of substrate : 6 mm. Fibre cement board, 1800 kg/m<sup>3</sup>.  
 Flame application : Surface.  
 Application time : 15 seconds.

Direction:	In production			Across production		
Total burning time <sup>1</sup> (15 s)	15	15	15	15	15	15
Flame tip reaches 150 mm (s)	no	no	no	no	no	no
Extent of damaged area, length (mm)	60	50	62	48	70	50
Extent of damaged area, width (mm)	11	8	14	11	13	13
Material melts (yes/no)	yes	yes	yes	yes	yes	yes
Shrinks away <sup>2</sup> (yes/no)	no	no	no	no	no	no
Glowing <sup>3</sup> (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

## TEST RESULTS – follow-up

### ➤ Radiant Panel test ISO 9239-1:2010

Date of testing : 19<sup>th</sup> of January 2012  
 Conditioning time, climate : 6 days, 23 ± 2 °C and 50 ± 5 %  
 Description of substrate : Fibre cement board, 8±2 mm ,1800±200 kg/m<sup>3</sup>  
 conforming to EN 13238.  
 Sampling procedure : by contractor.  
 Description of cleaning used : none.  
 Fixing method : loose laid.

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 20-01-2012

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Test specimen, orientation	Flame spread (cm)	CRF (kW/m <sup>2</sup> )	Peak light attenuation (%)	Smoke production (%.min)
1, ↑	25.0	8.4	63.2	336
2, ⊥	26.0	8.2	67.5	344
3, ⊥	27.0	8.0	68.1	415
4, ⊥	26.0	8.2	74,2	382
<b>Mean</b>	<b>26.3</b>	<b>8.1</b>	<b>69.9</b>	<b>380</b>

Remarks: flashing observed, no transitory- or sustained flaming,  
 All specimen extinguished naturally.

## CONCLUSION

According to EN 13501:2007, for usage as flooring, the tested sample of the  
 aforementioned quality **Cushion Trax** meets the requirements of **Class B<sub>fl</sub> - s1**.

### Statement

The test results relate to the behaviour of the test specimens of the examined 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.

The validity of this report will expire five years after its issue or 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.

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