

Return address: P.O. box 337, 7500 AH Enschede, The Netherlands

Estilon BV  
Att.: Mr. J. Thijssen  
Bijsterhuizen 2219  
NL-6604 LC  
WIJCHEN  
Nederland

TÜV Rheinland Nederland B.V.  
The Netherlands

Postal address:  
P.O. Box 337  
7500 AH Enschede

Parking and delivery:  
Josink Esweg 10  
7545 PN Enschede

[www.tuv.com/nl](http://www.tuv.com/nl)

T +31 88 888 7888  
F +31 88 888 7859

[Jaring.de.Wolff@nl.tuv.com](mailto:Jaring.de.Wolff@nl.tuv.com)

### Report

Project number : 89206780  
Report number : 89206780.01br

**Date**  
27-10-2014

**Project number**  
89206780

**Report number**  
89206780.01br

### **Received:**

One combined product consisting of a nonslip underlay and a textile floorcovering marked as: "**Luxerton with Axminster Carpet**";  
TÜV reference: MT14-49466.01

**Phone number client**  
+31 24 64 85 348

The samples have been received on the 03-10-2014. The samples are selected by the applicant. The test house has had no influence on the sampling procedure.

**Fax number client**  
+31 24 64 85 349

### **Order:**

To do an orientating test on the fire classification by determining the reaction to fire according to EN-ISO 9239-1:2010 by testing one specimen and mention appropriate classification of burning behaviour according to EN 13501-1:2007+A1:2009.

**Article**  
Luxerton with Axminster Carpet

**Appendix**  
I : Flooring Radiant Panel Single Specimen Report – 2 pages

### **Test method:**

Reaction to fire (radiant panel) : EN ISO 9239-1:2010,  
Deviation of the standard : Reduced number of test specimens.  
The specimen have not been cleaned.

### **Results:**

See page two and three.

### **Appendix:**

See page four up to and including five.

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.

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**Product description received from the client:**

Nonslip underlay

Name : Luxerton  
 Material : Polyester non-woven fleece with non-slip latex film.  
 Total thickness (mm) : 3  
 Total mass per unit area (g/m<sup>2</sup>) : 500

Textile floorcovering

Name : Axminster Carpet  
 Pile yarn : 80% Wool , 20% Nylon  
 Total thickness (mm) : 15  
 Total mass per unit area (g/m<sup>2</sup>) : 2635

**TEST RESULTS**

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

Date of testing : 14-10-2014  
 Conditioning time, climate : ≥ 7 days, 23 ± 2 °C and 50 ± 5 %  
 Description of substrate : Fibre cement board 6 mm, 1800±200 kg/m<sup>3</sup> conforming to EN 13238.  
 Sampling procedure : By contractor.  
 Description of cleaning used : None.  
 Fixing method : None, loose laid.

\* = manufacturer's declaration

Test specimen, orientation	Flame spread (cm)	CRF (kW/m <sup>2</sup> )	Peak light attenuation (%)	Smoke production (%.min)	Indicative classification*
1, ↑	37	6.0	37.7	148	Cfl - s1

Remarks: No flashing, transitory- or sustained flaming observed.  
 The tested specimen has been extinguished manually after the end of test.

\* The recorded CRF-value would imply this classification could be achieved, according to EN 13501-1. It is only based on one sample, while four samples are required for a final classification.

## 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 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.

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

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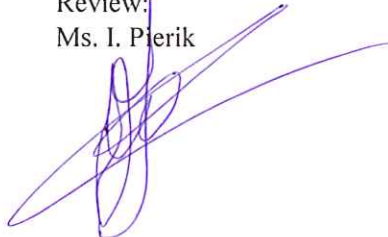
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**Author:**  
Mr. J. de Wolff



**Review:**  
Ms. I. Pierik



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## APPENDIX I: Flooring Radiant Panel Single Specimen Report

Report produced with the Fire Testing Technology FRPSoft software

page 1

**Date**  
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### Flooring Radiant Panel Single Specimen Report

Standard : EN ISO 9239-1:2002  
Laboratory : TÜV Rheinland Nederland B.V.  
Sponsor : 89206780 Estilon BV JWF  
Date of test : Oct. 14 2014

Specimen description : MT14-49466.01  
Test name : Prod #1  
File name : D:\FRPFILES\14100013.CSV  
Test number in series : 1

Flux calibration file name : C:\FRPSOFT\CALIB\FLX14015.CSV

Thickness (mm) :  
Density (kg/m<sup>3</sup>) :

Test duration : 30 minutes (1800 s)  
Substrate used? : Yes  
Substrate : Calcium silicate  
Fixing method : none  
Conditioned? : Yes  
Conditioning temp. (°C) : 23  
Conditioning RH (%) : 50

#### Test Results

Time to ignition : 2 minutes 03 seconds (123 s)  
Time to flameout : 6 minutes 10 seconds (370 s)  
Extent of burning (mm) : 370  
Critical flux at extinguishment (kW/m<sup>2</sup>) : 5.99  
HF-10 (kW/m<sup>2</sup>) : 7.41  
HF-20 (kW/m<sup>2</sup>) : 5.99  
HF-30 (kW/m<sup>2</sup>) : 5.99  
Flame spread at 10 minutes (mm) : 300  
Flame spread at 20 minutes (mm) : 370  
Flame spread at 30 minutes (mm) : 370  
Peak light attenuation (%) : 37.68  
Time to peak light attenuation : 3 minutes 04 seconds (184 s)  
Total integrated smoke (%.min) : 147.53

**Potential classification** : C(1)  
**Smoke production classification** : s1

These results relate only to the behaviour of the specimens of the 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.

## APPENDIX I: Flooring Radiant Panel Single Specimen Report

Report produced with the Fire Testing Technology FRPSoft software

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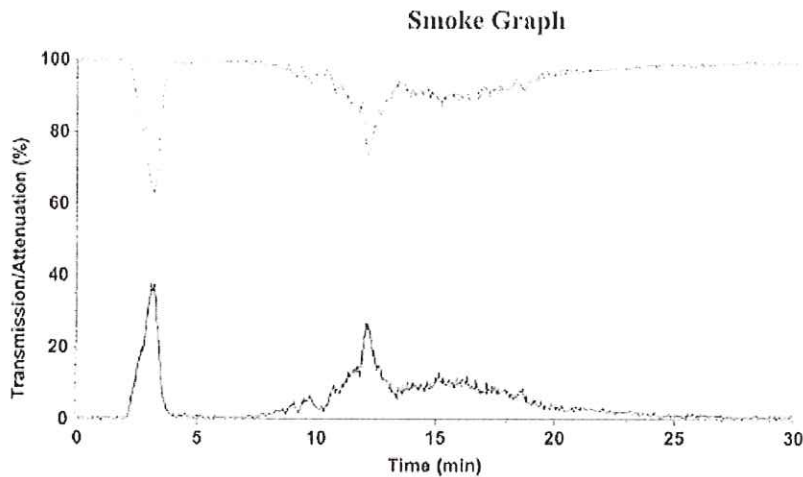
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Test name : Prod #1  
File name : D:\FRPFILES\14100013.CSV

### Rake Results

Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )	Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )
60	134	11.2	1.406	510	-	3.6	-
110	135	10.5	1.332	560	-	3.0	-
160	145	9.9	1.322	610	-	2.6	-
210	159	9.1	1.295	660	-	2.2	-
260	187	8.1	1.352	710	-	1.9	-
310	762	7.2	4.713	760	-	1.6	-
360	836	6.2	4.366	810	-	1.5	-
410	-	5.2	-	860	-	1.3	-
460	-	4.3	-	910	-	1.2	-

### Comments

Specimen was extinguished manually after end of test.

These results relate only to the behaviour of the specimens of the 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.