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## **Report**

Project number : 89205102  
Report number : 89205102.01br

### **Received:**

A sample of a heterogeneous PVC floor covering marked as: "Allura 0.55";  
TÜV sample reference: MT14-38875.01.

The samples have been received on the 10<sup>th</sup> of January 2014.

### **Sampling procedure:**

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

### **Product information received from the customer:**

Type of floor covering : Heterogeneous PVC floor covering  
Product classification standard : EN 649  
Type of backing : Compact layer, black coloured.  
Total mass : 3150 g/m<sup>2</sup> \*  
Total thickness : 2.20 mm \*  
Thickness of the toplayer : 0.55 mm  
Use of fire-retardant : No

\* Verified by test institute.

### **Request:**

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

### **Test method:**

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

### **Results:**

See page two.

### **Appendix:**

See page three up to and including eleven.

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**Date**  
January 23rd, 2014

**Project number**  
89205102

**Report number**  
89205102.01br

**Phone number client**  
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**Article**  
Allura 0.55

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

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

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January 23rd, 2014

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### ➤ Ignitability EN-ISO 11925-2:2010

Conditioning time, climate : 3 days,  $23 \pm 2$  °C and  $50 \pm 5$  %  
 Date of testing : January 14<sup>th</sup>, 2014  
 Description of substrate : 6 mm. Fibre cement board,  $1800 \text{ kg/m}^3$ .  
 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)	56	46	46	48	40	47
Extent of damaged area, width (mm)	12	12	12	14	12	14
Material melts (yes/no)	No	No	No	No	No	No
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

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

Date of testing : January 14<sup>th</sup>, 2014  
 Conditioning time, climate : 3 days,  $23 \pm 2$  °C and  $50 \pm 5$  %  
 Description of substrate : Fibre cement board,  $8 \pm 2 \text{ mm}$ ,  $1800 \pm 200 \text{ kg/m}^3$  conforming to EN 13238.  
 Sampling procedure : By contractor.  
 Description of cleaning used : None.  
 Fixing method : None, loose laid.

Test specimen, orientation	Flame spread (cm)	CRF ( $\text{kW/m}^2$ )	Peak light attenuation (%)	Smoke production (%.min)
1, ⊥	15	9.95	44.4	131
2, ↑	20	9.09	49.4	129
3, ↑	20	9.09	53.1	152
4, ↑	20	9.09	59.4	168
<b>Mean<sub>2-4</sub></b>	<b>20</b>	<b>9.09</b>	<b>54.0</b>	<b>150</b>

Remarks: Flashing observed, no transitory- or sustained flaming observed.  
 All four tested specimen 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 **Allura 0.55**, in relation to its reaction to fire behaviour is classified: **B<sub>fl</sub>**.  
The additional classification in relation to smoke production is: **s1**.

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The aforementioned quality meets the requirement of reaction to fire classification:  
**B<sub>fl</sub> – s1**

The classification is valid for the following end use applications:

- End use substrates of classes A1 and A2-s1,d0, for example fibre cement board.
- Any means of fixation.

### 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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23-01-2014

Review:

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