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Report

Project number: T09.25945-br1

Received:

Floor covering vinyl tiles "Allura"; TNO reference: MT09.25945.01

Date

04 december 2009

Request:

Classification of burning behaviour according to EN 13501:2007.

Project number

T09.25945-br1

Test method:

Determination of overall thickness : EN 428
Determination of mass per unit area : EN 430
Ignitability (direct impingement of flame) : EN ISO 11925-2:2002
Reaction to fire (radiant panel) : EN ISO 9239-1:2002

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Results:

See page two and three.

Your reference

-

Article

Allura

Appendix

1 (9 pages)



Test results :

Date
04 december 2009

➤ *Identification parameters*

Colour : dessin
Total mass per unit area g/m^2 (EN 428) : 3687
Total thickness, mm (EN 430) : 2.8

Project number
T09.25945-br1

Page
2 of 3

➤ *Ignitability EN-ISO 11925-2:2002*

Conditioning time, climate : 1 days, 23 ± 2 °C and 50 ± 5 %
Description of substrate : 6 mm. Fibre cement board, 1800 kg/m^3 .
Flame application : Surface.
Application time : 15 seconds.

Direction:	In production			across production		
Total burning time ¹ (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)	63	60	60	59	64	64
Extent of damaged area, width (mm)	11	13	12	12	12	12
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



Date
04 december 2009

Project number
T09.25945-br1

Page
3 of 3

➤ *Radiant Panel test EN ISO 9239-1:2002*

Conditioning time, climate : 11 days, 23 ± 2 °C and 50 ± 5 %
Description of substrate : Fibre cement board, 6 ± 1 mm , 1800 ± 200 kg/m³
conforming to EN 13238:2001
Sampling procedure : by contractor.
Description of cleaning used : none.
Fixing method : adhesion Eurocol 540 (10 days prior to testing)

Test specimen ^a	Flame spread (cm)	CRF (kW/m ²)	peak light attenuation (%)	Smoke production (%.min)
1	27,0	8,1 ^b	62,0	254
2	26,0	8,3 ^b	76,9	257
3	24,0	8,6 ^b	67,4	247
4	25,0	8,4 ^b	74,0	244
Mean	26,2	8,3	70,9	252

Remarks: no flashing, transitory- or sustained flaming,

^a no orientation was given.

^b specimen extinguished naturally

Conclusion:

According to EN 13501:2007 the tested sample of the aforementioned quality **Allura** meets the requirements of **Class B_{FL} - s1**

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.

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