Fire certificate – "Reversible" mat
Brandschutzbescheinigung – "Beidseitige" Eingangsmatte
Certificado de ignifugación – Felpudo "Reversible"
Brandveiligheidsattest – Entreemat "Omkeerbaar"
CPI – Zerbino "Reversibile"

Report

Project number : T11-33930

Report number : T11.33930.03br

Received:

A sample entrance mat in an aluminium frame, marked as:

"Reversible / Beidseitig / Omkeerbaar / Reversibile"

TÜV sample reference: MT11.33930.03.

Request:

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

Test method:

Reaction to fire (radiant panel): EN ISO 9239-1.

Results:

See page two.

Appendix:

See page three.

TEST RESULTS

Radiant Panel test ISO 9239-1:2010

Date of testing : 24-10-2011
Conditioning time, climate : > 5 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 : loose laid.

Test specimen, orientation	Flame spread (cm)	CRF (kW/m²)	Peak light attenuation (%)	Smoke production (% min)	Indicative classification[1]
1,-	4.0	9.6*	9.2	29	B_{fl}-s1

Remarks: no flashing, transitory or sustained flaming
* specimen extinguished naturally

[1] The recorded CRF-value would imply this classification could be achieved, according to EN 13501-1:2007.
It is only based on one sample, while four samples are required for a final classification and without performing tests according to EN ISO 11925-2:2010.

CONCLUSION

According to EN 13501-1:2007 the tested sample of the aforementioned quality **Reversible / Beidseitig / Omkeerbaar / Reversibile** meets the requirements of **Class B_{fl}-s1**.

Statement

The test results relate to the behaviour of the test speciments 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 of 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.

Author: Mrs. I. Pierik
Review: Mr. J. Brinks

APPENDIX I: Flooring Radiant Panel Single Specimen Report

Flooring Radiant Panel Single Specimen Report

Standard	: EN ISO 9239-1:2002
Laboratory	: TÜV Rheinland Nederland B.V.
Date of test	: Oct. 24 2011
Specimen description	: MT 11.33930.03
Test name	: Across #1
File name	: D:100019.CSV
Test number in series	: 4
Flux calibration file name	: C:\FRPSOFT\CALIB\FLX11004.CSV
Test duration	: 18 minutes 35 seconds (1115 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 01 seconds (121 s)
Time to flameout	: 18 minutes 32 seconds (1112 s)
Extent of burning (mm)	: 40
Critical flux at extinguishment (kW/m²)	: >= 10.9
RF-10 (kW/m²)	: >= 10.9
RF-20 (kW/m²)	: >= 10.9
RF-30 (kW/m²)	: >= 10.9
Flame spread at 10 minutes (mm)	: 30
Flame spread at 20 minutes (mm)	: -1
Flame spread at 30 minutes (mm)	: -1
Peak light attenuation (%)	: 9.17
Time to peak light attenuation	: 12 minutes 17 seconds (737 s)
Total integrated smoke (% min)	: 28.74
Potential classification	**: A2(fl)/B(fl)**
Smoke production classification	**: s1**

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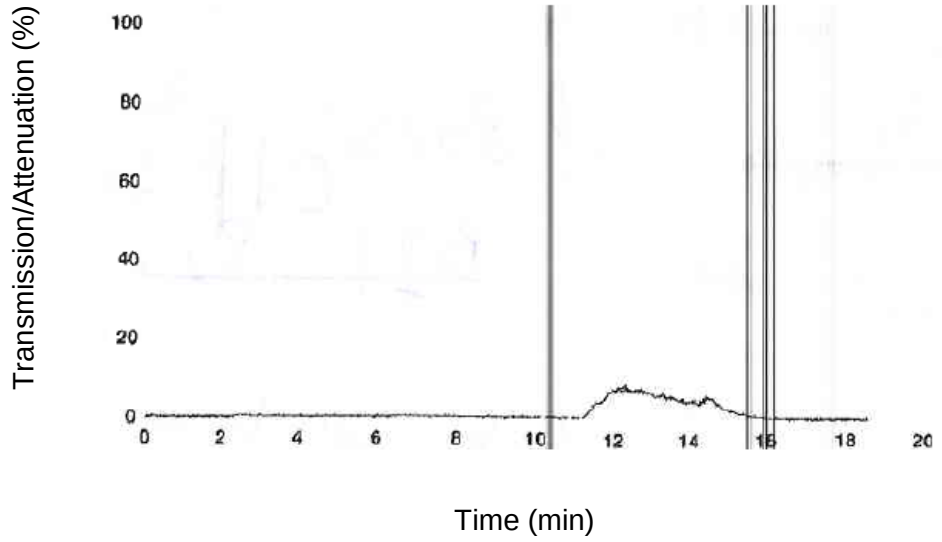
Smoke Graph



Test name : Across #1
File name : D:\FRPFILES\11100019.CSV

Rake Results

Position (mm)	Time (s)	Flux (kW/m²)	Qsb (MJ/m²)	Position (mm)	Time (s)	Flux (kW/m²)	Qsb (MJ/m²)
60		11.3		510		3.7	
110		10.5		560		3.0	
160		9.9		610		2.6	
210		9.1		660		2.2	
260		8.1		710		1.8	
310		7.1		760		1.6	
360		6.1		810		1.4	
410		5.2		860		1.3	
460				910		1.2	

Comments

Specimen extinguished naturally.