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The Netherlands

Report

Project number: 89202177
Report number: 89202177.01br

Received:

A sample of floor covering, entrance mat, marked as: “113 Master Trax”;
TÜV sample reference: MT12-36133.01.

Request:

Orientation testing with the purpose to have an indication of the possible achievable classification of burning behaviour according to EN 13501-1:2007.

Test method:

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

Results:

See page two and three.

Appendix:

See page four and five.

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.

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Date

3rd of September, 2012

Project number

89202177

Report number

89202177.01br

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Article

Master Trax

Appendix

I : Flooring Radiant Panel Single
Specimen Report – 2 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
Date
 3rd of September, 2012

Project number
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 Master Trax

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 ➤ *Identification parameters received from the customer*

Type of manufacture	: Needle punched
Type of use surface	: Patterned
Type of secondary backing	: Synthetic rubber backing
Pile Fibre	: 100% PP*
Total mass per unit area g/m ²	: 3200
Total yarn weight, g/m ²	: 1700
Total thickness, mm	: 11

* = manufacturer's declaration

 ➤ *Ignitability EN-ISO 11925-2:2010*

Conditioning time, climate	: 3 days, 23 ± 2 °C and 50 ± 5 %
Date of testing	: 6 th of August, 2012
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	17	16	15	30	15
Flame tip reaches 150 mm (s)	no	no	no	no	no	no
Extent of damaged area, length (mm)	95	124	130	115	108	127
Extent of damaged area, width (mm)	15	18	17	18	17	15
Material melts (yes/no)	yes	yes	yes	yes	yes	yes
Shrinks away ² (yes/no)	yes	yes	yes	yes	yes	yes
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

APPENDIX I: Flooring Radiant Panel Single Specimen Report

Date
3rd of September, 2012

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Report produced with the Fire Testing Technology FRPSoft software

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Flooring Radiant Panel Single Specimen Report

Article
Master Trax

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Standard : EN ISO 9239-1:2002
Laboratory : TÜV Rheinland Nederland B.V.
Sponsor : 89202177- SMG - Master Trax - ipk
Date of test : Aug. 06 2012

Specimen description : MT12-36133.01
Test name : Prod #1
File name : D:\FRPFILES\12080007.CSV
Test number in series : 4

Flux calibration file name : C:\FRPSOFT\CALIB\FLX12008.CSV

Thickness (mm) :
Density (kg/m³) :

Test duration : 17 minutes 55 seconds (1075 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 04 seconds (124 s)
Time to flameout : Not recorded
Extent of burning (mm) : 1000
Critical flux at extinguishment (kW/m²) : N/A (no flameout)
HF-10 (kW/m²) : 1.79
HF-20 (kW/m²) : >= 10.9
HF-30 (kW/m²) : >= 10.9
Flame spread at 10 minutes (mm) : 710
Flame spread at 20 minutes (mm) : -1
Flame spread at 30 minutes (mm) : -1
Peak light attenuation (%) : 99.46
Time to peak light attenuation : 6 minutes 37 seconds (397 s)
Total integrated smoke (%.min) : 805.52

Potential classification : E(II)
Smoke production classification : s2

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

Date
3rd of September, 2012

Project number
89202177

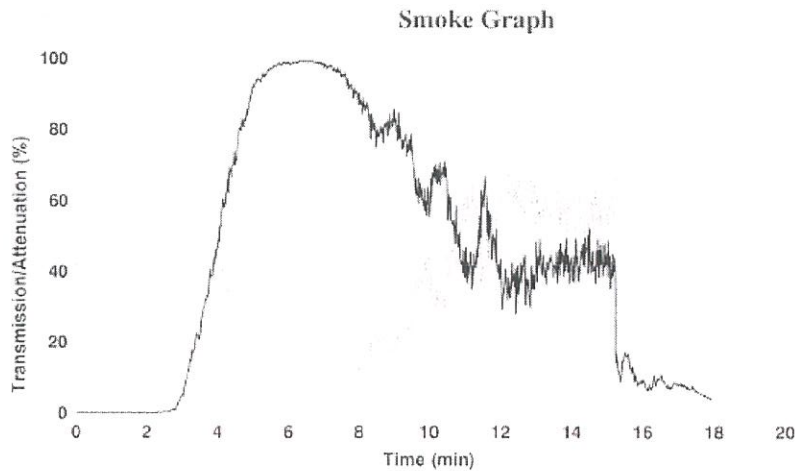
Report produced with the Fire Testing Technology HKPSoft software

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Report number
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Test name : Prod #1
File name : D:\FRPFILES\12080007.CSV

Rake Results

Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)	Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)
60	196	11.2	2.038	510	375	3.6	1.107
110	231	10.4	2.241	560	396	3.0	0.960
160	252	9.7	2.239	610	436	2.4	0.906
210	282	8.9	2.239	660	517	2.1	0.926
260	284	7.9	2.003	710	601	1.8	0.925
310	304	7.1	1.836	760	620	1.5	0.835
360	320	6.0	1.633	810	736	1.3	0.889
410	343	5.1	1.468	860	834	1.2	0.926
460	352	4.3	1.266	910	863	1.1	0.863

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.