



Confidential Report

Our Ref: 26/02711D/03/20



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Notified Body
for PPE Directive,
Construction Products Regulation
& Marine Equipment Directive
I.D. No. 0338 & 0339



Wira House, West Park Ring Road, Leeds, LS16 6QL, UK.
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Date: 15 June 2020
Our Ref: 26/02711D/03/20
Your Ref: -
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Client: Polyflor Ltd
PO Box 3
Radcliffe New Road
Whitefield
Manchester
M45 7NR

Job Title: Fire Test on One Sample of Vinyl Flooring Tile

Client's Order No: 2247870

Date of Receipt: 16 March 2020

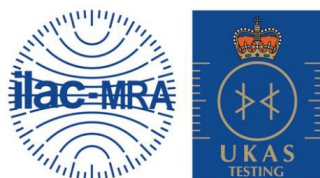
Description of Sample(s): One sample of vinyl flooring tile
Sample Reference: MiPlank Acoustic
Nominal Thickness: 5.00mm
Weight per Unit Area: --kg/m²
Batch No: J0315/1
Shade: 9065

Work Requested: We were asked to make the following test(s):

AS ISO 9239-1

This report relates only to the samples submitted and as described in the report.

- * subcontracted test, UKAS accredited
- ** subcontracted test, EN ISO/IEC 17025 accredited
- *** not UKAS accredited



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FIRE TESTS ACCORDING TO AS ISO 9239-1:2003

Reaction to fire tests for Floorings - Part 1: Determination of the burning behaviour using a radiant heat source (ISO 9239-1:2002)

Date of Test: 02/06/2020

Conditioning

The specimens were conditioned in accordance with BS EN 13238:2002. The substrate used was a fibre cement board.

Procedure

The test was carried out in accordance with AS ISO 9239-1. The sponsor sampled and cut the specimens to the dimensions stated.

Specimens were individually placed in the combustion chamber and allowed to preheat for two minutes under a radiant panel, which gives an imposed radiant flux ranging from approximately 11.0 kW/m² to 1.0 kW/m² along the specimen.

The pilot flame used was the line burner as described and was applied to the surface of the specimen for 10 minutes and then removed.

The flame front was measured at the end of the test or at 30 minutes if applicable.

Test termination was considered to be when the flame front self extinguished or at 30 minutes, whichever is the sooner.

The heat flux from the panel incident on the specimen when self extinguished or at 30 minutes (critical heat flux CHF or HF-30) was calculated from a prior calibration.



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TESTING • CERTIFICATION • AUDITING

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Results

The test results relate to the behaviour of the test specimens of a material under the particular conditions of test; they are not intended to be the sole criterion for assessing the full potential fire hazard of the materials in use.

Specimen No.	Direction of spec.	Smoke Obscuration/ Development		Maximum Flame front (mm)	Heat Flux-30 (HF-30) (kW/m ²)	Critical Heat/Radiant Flux (CHF/CRF) (kW/m ²)	Duration of Flaming (sec)
		Max %	% x min				
1	Machine	100	567	272	7.6	7.6	760
2	Across	100	514	220	8.7	8.7	754
3	Machine	100	500	242	8.3	8.3	763
4	Machine	100	526	250	8.0	8.0	753
Mean of 3 specs.	Machine	100	531	255	7.9	7.9	759

Distance Burnt (mm)	Time for each specimen to burn (s)			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
50	145	150	170	140
100	200	195	200	166
150	300	240	220	207
200	360	310	250	285
250	390	--	--	360

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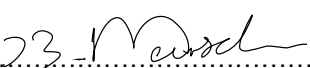
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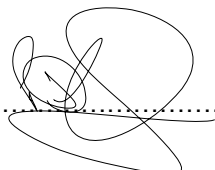
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Note

One specimen was initially tested in each direction and whichever direction gave the worst result a further two specimens were tested. Only the results of the 3 specimens in the same direction were used to calculate the mean results.

The specimens of floor covering were tested stuck down onto a 6mm fibre cement board using KIESEL OKATMOS® STAR adhesive supplied by client, as defined in BS EN 13238:2010.

Reported by:.....  B Marsden (Mrs), Senior Fire Technician

Countersigned by:.....  P Doherty, Executive Manager

Enquiries concerning this report should be addressed to Customer Services.

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