

Commercial Vinyl Fire Report

Smart™ Nouveau™ MegaPlank™

LUXURY, HIGH PERFORMANCE PVC FLOOR COVERING FOR COMMERCIAL APPLICATION

Flooring includes flexible finishes such as carpets, vinyl sheet or tiles, and finished or unfinished floor surfaces.

Fire properties of floor surfaces are evaluated using ISO 9239 - 1:2010 (floor radiant panel test).

Minimum requirements in all buildings, excludes household units, are a critical radiant flux (CRF) of not less than 1.2 kW/m².

A CRF of not less than 2.2 kW/m² is required in the following locations:

- Unsprinklered firecells with an occupant load more than 50 people.
- Sleeping areas in sprinklered buildings where care or detention is provided.
- All exitways (except as follows).

A CRF of not less than 4.5 kW/m² is required in the following location:

- Sleeping areas and exitways in unsprinklered buildings where care or detention is provided.

Project Floors' LVT - Range of Commercial Luxury Vinyl tiles flooring has been tested to ISO 9239 .1:2010 and achieved a mean of 7.7kW/m².

C3 – FIRE AFFECTING AREAS BEYOND FIRE SOURCE (continued)

PROVISIONS (b) floor surfaces materials in the following areas of buildings must meet the performance criteria specified below:

REACTION-TO-FIRE PERFORMANCE COMPLIANCE

AREA OF BUILDING	MINIMUM CRITICAL RADIANT FLUX WHEN TESTED TO ISO 9239-1: 2010		
	Buildings not protected with an automatic fire sprinkler system	Buildings protected with an automatic fire sprinkler system	LVT complies?
Sleeping areas and exitways in buildings where care or detention is provided	4.5 kW/m ²	2.2 kW/m ²	✓ 7.7 kW/m ²
Exitways in all other buildings	2.2 kW/m ²	2.2 kW/m ²	✓ 7.7 kW/m ²
Firecells accommodating more than 50 persons	2.2 kW/m ²	1.2 kW/m ²	✓ 7.7 kW/m ²
Exitways in all other buildings	1.2 kW/m ²	1.2 kW/m ²	✓ 7.7 kW/m ²

CLASS OF REACTION-TO-FIRE PERFORMANCE

Project Floors LVT Range of Commercial Luxury Vinyl tiles complies to the following classes:

CFL S1, DFL S1

As the Radiant Flux mean is 7.7kW/m² and the Smoke value mean is 96%^{m2}

AWTA PRODUCT TESTING

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TEST REPORT

CLIENT : QEP AUSTRALIA PTY LTD
UNIT 1
25 OLIVE GROVE
KEYSBOROUGH VIC 3173

TEST NUMBER : 7-599154-CV
ISSUE DATE : 24/09/2014
PRINT DATE : 24/09/2014

SAMPLE DESCRIPTION Clients Ref: "Hanwood Plank Chicago Wind"
Vinyl plank flooring
Colour: Dark Brown
Thickness: 2.5mm

Material Specification:

Nominal Composition: Vinyl, Polyurethane Coating
Nominal Total Mass: 44 kg/m²

ASISO 9239.1-2003

Reaction to Fire Tests for Floorings
Determination of the Burning Behaviour
using a Radiant Heat Source

Date of sample arrival: 01/08/2014

Date tested: 24/09/2014

Results:

	CHF (Critical Heat Flux / Critical Radiant Flux)				kW/m ²
	1	2	3	Mean	
Non directional	8.0	7.6	7.6	7.7	
	Smoke Value				
Non directional	100	111	78	96	%min

Note: Sample was conditioned in accordance with BSEN 13238-2001 at a temperature of 23+/-2degC and Relative Humidity of 50+/-5% for a minimum of 48 hours prior to testing

No directional properties, three specimens tested only.

Each specimen was clamped to a substrate of 6mm thick fibre reinforced cement board prior to testing.

The test results relate to the behaviour of the test specimens of a 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

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(END OF REPORT)

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