

## DECOLINE OASIS

Sample description as provided by customer

Order No. James

VINYL PLANK Dimensions 177.8 mm x 1219.2 mm Thickness 5 mm Wear Layer 0.5 mm

TEST METHOD: AS.ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by the Building Code of Australia (BCA) and National Construction Code 2015 (NCC) specifications C1.10. Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date **May 2017**

Test Date **12 May 2017**

Total Thickness mm

### Assembly System: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using Vinyl adhesive.

**Substrate: Non-Combustible** - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring. The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: **Length** Direction Critical Radiant Flux **8.9 kW/m<sup>2</sup>**  
**Width** Direction Critical Radiant Flux **8.9 kW/m<sup>2</sup>**

	Specimen Tests conducted in the <b>Length</b> Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	8.9	7.8	8.8	8.5
Smoke Development Rate (%.min)	187	235	203	208

The values quoted below are as required by BCA and NCC Specification C1.10 Fire Hazard Properties (Floors). The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

**Mean Critical Radiant Flux 8.5 kW/m<sup>2</sup>**

**Mean Smoke Development Rate 208 %.min**

Observations: The samples shrunk away from the heat source, ignited and burnt a relatively short distance.

AS.ISO 9239.1 Clause 9(o) 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.

All information required for compliance with the BCA and NCC is given on this test report page.

 <small>ACCREDITED FOR TECHNICAL COMPETENCE</small>	<b>M. B. Webb</b> Technical Manager	
	DATE: 12 May 2017	
	Performance & Approvals Accreditation No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	274	276	304	388	528	/												
2	188	189	283	452	605	859	/											
3	249	251	306	497	642													

**TESTS**

**BURNING CHARACTERISTICS**

**SMOKE PRODUCTION**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: Width	230	843	42	219
Specimen Tests: Length				
1	230	806	44	187
2	280	1,196	43	235
3	236	885	41	203
Mean	249	962	43	208




**M. B. Webb**  
Technical Manager

DATE: 12 May 2017

Performance and Approvals  
Accreditation No. 15393  
Accredited for compliance  
with ISO/IEC 17025.

2004 04 09 4346 3 July 2017