

CUSTOMER REFERENCE

## iQ GRANIT

Sample description as provided by customer

**Homogeneous Single Layered Vinyl Flooring Total Thickness 2.0 mm Wear Layer Thickness 2.0 mm Total Weight/m<sup>2</sup> 2950 g**

**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 specification C1.10 of the Building Code of Australia.**

The test values 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. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **July 2014**

Test Date **09 Aug 2014**

### ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **VINYL ADHESIVE** as Recommended by m/s Tarkett.

**Substrate: Non-Combustible**

**Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**

The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **9.8 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **10.0 kW/m<sup>2</sup>**  
Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>9.8</b>	<b>9.6</b>	<b>9.5</b>	<b>9.6</b>
Smoke Development Rate (%.min)	<b>82</b>	<b>119</b>	<b>37</b>	<b>79</b>

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

### MEAN CRITICAL RADIANT FLUX **9.6 kW/m<sup>2</sup>**

### MEAN SMOKE DEVELOPMENT RATE **79 percent-minutes**


OBSERVATIONS: **The samples shrunk away from the heat source, ignited and burnt a very short distance.**



**M. B. Webb**  
Technical Manager

DATE: 9/8/2014

Performance & Approvals  
Testing No. 15393  
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Clause 9 of AS/ISO 9239 Part 1

The values on Page 2 have no relevance to the Code.

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**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	172	173	194	257	/													
2	202	203	259	276	/													
3	165	166	241	294	/													

**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: <b>Width</b>	155	772	21	32
Specimen Tests: <b>Length</b>				
1	170	803	43	82
2	180	759	49	119
3	185	787	23	37
<b>Mean</b>	178	783	38	79



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**

**M. B. Webb**  
Technical Manager

DATE: 09 Aug 2014

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*The laboratory does not allow the use of this page of the report without the use of page 1.*

This page alone has no validity under Clause 9 of AS/ISO 9239 Part 1

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