

CUSTOMER REFERENCE  
**PINNACLE/STORM**

Sample description as provided by customer  
 Mass/unit area 550 g/m<sup>2</sup> Pile Fibre Content 100% SOLUTION DYED NYLON  
 Construction Details Tufted Secondary Backing Tile Bitumen Colour Charcoal / Grey  
 Style Multi Level Loop Pile Height / mm  
 The Samples Tested Were Modular Carpet

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

Test Date 20 Jul 2015

Sample submitted Date Jul 2015

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

The floor covering was directly stuck to the substrate using **WATER BASED SURFACE CONTACT** adhesive.

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	7.2 kW/m <sup>2</sup>
	Specimen 1 Width Direction	Critical Radiant Flux	9.4 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> )	7.2	6.2	8.3	7.2
Smoke Development Rate (%.min)	125	187	149	154

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 7.2 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 154 percent-minutes**

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



M. B. Webb  
 Technical Manager  
 DATE: 20 Jul 2015  
 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	268	270	406	514	794	1128	/											
2	308	310	426	516	628	924	1188	/										
3	273	274	383	504	820	/												

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>	<b>190</b>	<b>990</b>	<b>30</b>	<b>116</b>
Specimen Tests: <b>Length</b>				
<b>1</b>	<b>290</b>	<b>1,392</b>	<b>18</b>	<b>125</b>
<b>2</b>	<b>340</b>	<b>1,485</b>	<b>28</b>	<b>187</b>
<b>3</b>	<b>240</b>	<b>1,209</b>	<b>29</b>	<b>149</b>
<b>Mean</b>	<b>290</b>	<b>1,362</b>	<b>25</b>	<b>154</b>



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**

*M. B. Webb*  
M. B. Webb  
Technical  
Manager

DATE: 20 Jul 2015

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Testing No. 15393  
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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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