

CUSTOMER REFERENCE

## SYNTECH LANDSCAPE SOLUTIONS GRASS

Sample description as provided by customer Order No. **JS**  
 Pile weight mass/unit area **1,200 g/m<sup>2</sup>** Pile Fibre Content **60% PE 40% PP**  
 Construction Details **Tufted** Secondary Backing **Latex Rubber Styrene Butadiene** Colour **Green**  
 Style **Cut Pile** Pile Height **mm**  
**The Samples WERE TESTED WITH SAND BRUSHED INTO PILE AT THE RATE OF 10Kg per Metre Square**

**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 **Feb 2017**

Test Date **13 Feb 2017**

### ASSEMBLY SYSTEM: LOOSE LAID (Details Below).

Floor covering loose laid over the substrate without underlay or adhesive. Clause 5.3 of AS/ISO 9239 ALLOWS THIS TO REPRESENT AN ADHESIVE ONLY SYSTEM.

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 **3.5 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **3.0 kW/m<sup>2</sup>**  
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>3.0</b>	<b>3.8</b>	<b>3.6</b>	<b>3.5</b>
Smoke Development Rate (%.min)	<b>134</b>	<b>149</b>	<b>153</b>	<b>145</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 **3.5 kW/m<sup>2</sup>**

### MEAN SMOKE DEVELOPMENT RATE **145 percent-minutes**


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



**M. B. Webb**  
Technical Manager

DATE: 13 Feb 2017

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	211	212	435	720	762	1059	1127	1387	1566	1912	2304	/						
2	220	222	484	875	950	1283	1456	1602	1859	2106								
3	219	220	479	690	948	1109	1382	1593	1793	2045								

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>Length</b>		<b>500</b>	<b>2,861</b>	<b>15</b>	<b>142</b>
Specimen Tests: <b>Width</b>					
1		540	2,954	14	134
2		477	2,683	18	149
3		492	2,701	19	153
<b>Mean</b>		<b>503</b>	<b>2,779</b>	<b>17</b>	<b>145</b>



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**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

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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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