

m/s EC Group  
4-9 Delaine Ave Edwardstown S A 5069  
Attn: Mr Ken Grace

TEST REPORT No. 159086

LABORATORY REF: P159086

CUSTOMER REFERENCE  
**LANEWAY FR**

Sample description as provided by customer  
Mass/unit area **25 oz/yd<sup>2</sup>**  
Construction Details **Tufted** Secondary Backing **Synthetic**  
Style **Multi Level Loop**

Order No. **KG**  
Pile Fibre Content **100% SOLUTION DYED NYLON**  
Colour **Brown**  
Pile Height / 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 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 **05 Aug 2015**

Test Date **05 Aug 2015**

**ASSEMBLY SYSTEM: OVER UNDERLAY** (Details Below).

The UNDERLAY used was **DUNLOP GOVERNMENT RED**.

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 **2.4 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **2.1 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>2.1</b>	<b>2.4</b>	<b>2.1</b>	<b>2.2</b>
Smoke Development Rate (%.min)	<b>157</b>	<b>286</b>	<b>166</b>	<b>203</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 2.2 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 203 percent-minutes**

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

	<b>M. B. Webb</b> Technical Manager	
	DATE: 05 Aug 2015	
	Performance & Approvals Testing No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

PAGE 1 of 2

Clause 9 of AS/ISO 9239 Part 1

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

1004 04 09

**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	178	179	201	218	334	354	416	409	592	736	1024	1323	1954	/				
2	175	177	198	236	250	312	447	521	544	585	734	1189				/		
3	173	174	201	226	242	288	347	433	516	566	770	1178	1929	/				

**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>605</b>	<b>2,683</b>	<b>39</b>	<b>174</b>
Specimen Tests: <b>Width</b>				
<b>1</b>	<b>630</b>	<b>2,419</b>	<b>37</b>	<b>157</b>
<b>2</b>	<b>605</b>	<b>1,663</b>	<b>47</b>	<b>286</b>
<b>3</b>	<b>630</b>	<b>2,284</b>	<b>43</b>	<b>166</b>
<b>Mean</b>	<b>622</b>	<b>2,122</b>	<b>42</b>	<b>203</b>



**NATA**  
ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

DATE: 05 Aug 2015

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

*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

2004 04 09 26131 5 August 2015