

CUSTOMER REFERENCE  
**TERABYTE**

**Sample description as provided by customer**

Mass/unit area **28 oz/yd<sup>2</sup>**  
Construction Details **Tufted** Secondary Backing **Synthetic**  
Style **Loop Pile**

Order No. **24427**  
Pile Fibre Content **100% SOLUTION DYED NYLON**  
Colour **Fawn/Grey**  
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 **Jun 2015** Test Date **27 Jun 2015**

**ASSEMBLY SYSTEM: OVER UNDERLAY DUNLOP EXCELLAY .**

The UNDERLAY used was **DUNLOP EXCELLAY**.

**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 **2.4kW/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>2.4</b>	<b>2.3</b>	<b>2.2</b>	<b>2.3</b>
Smoke Development Rate (%.min)	<b>196</b>	<b>229</b>	<b>197</b>	<b>207</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 2.3 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 207 percent-minutes**


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



**M. B. Webb**  
Technical Manager

DATE: 27 Jun 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	226	228	284	297	310	334	361	394	423	688	1147	1655			/			
2	207	209	233	253	322	344	405	516	590	997	1399	1697	2626	/				
3	218	220	248	285	349	369	428	539	603	841	1495	1853	2249					

**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>	605	2,206	71	203
Specimen Tests: <b>Length</b>				
1	605	1,923	74	196
2	620	2,851	64	229
3	626	2,593	63	197
<b>Mean</b>	617	2,456	67	207



ACCREDITED FOR  
**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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