

LASSEN PEAK

Sample description as provided by customer

Order No. **PO 29235**

Pile weight mass/unit area **26 oz/yd²**

Pile Fibre Content **100% SOLUTION DYED RESISTAIN NYLON**

Construction Details **Tufted Secondary Backing Synthetic**

Colour **Brown**

Style **Multi Level Loop**

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 the Building Code of Australia (BCA) and National Construction Code 2015 (NCC) specifications C1.10. Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date **Feb 2018**

Test Date **08 Feb 2018**

Total Thickness **mm**

Assembly: OVER UNDERLAY **DUNLOP SUPERGREEN 10 mm.**

The UNDERLAY used was **DUNLOP SUPERGREEN 10 mm.**

Substrate: Non-Combustible - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring. The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: **Length** Direction Critical Radiant Flux **2.2 kW/m²**
Width Direction Critical Radiant Flux **2.0 kW/m²**

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	2.0	2.4	2.2	2.2
Smoke Development Rate (%.min)	282	181	266	243

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

Mean Critical Radiant Flux 2.2 kW/m²

Mean Smoke Development Rate 243 %.min

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

AS.ISO 9239.1 Clause 9(o) The test results 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 in use.

All information required for compliance with the BCA and NCC is given on this test report page.

 <small>ACCREDITED FOR TECHNICAL COMPETENCE</small>	M. B. Webb Technical Manager	
	DATE: 08 Feb 2018	
	Performance & Approvals Accreditation No. 15393	
	Accredited for compliance with ISO/IEC 17025.	

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	166	167	176	198	225	243	270	277	334	417	595	925	1133					
2	196	197	203	208	230	247	267	301	357	470	730	1089						
3	159	160	192	208	227	259	266	287	320	400	582	898	1288					

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: Length	620	1,031	72	275
Specimen Tests: Width				
1	650	1,306	74	282
2	600	1,429	71	181
3	620	1,631	74	266
Mean	623	1,455	73	243



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