

ANDES PEAK

Sample description as provided by customer

Pile weight mass/unit area **35 oz/yd²**
 Construction Details **Tufted Secondary Backing Synthetic**
 Style **Loop Pile**

Order No. **KG**

Pile Fibre Content **100% SOLUTION DYED NYLON**
 Colour **Cream/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 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 **Nov 2017**

Test Date **30 Nov 2017**

Total Thickness **mm**

Assembly System: **OVER UNDERLAY DUNLOP GOVERNMENT RED**

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

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 **2.3 kW/m²**
Width Direction Critical Radiant Flux **2.1 kW/m²**

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	2.1	2.1	2.4	2.2
Smoke Development Rate (%.min)	236	220	229	228

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 228 %.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: 30 Nov 2017	
	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	162	163	183	207	275	341	393	451	627	1052	1192	1447	2039	/				
2	202	204	237	289	348	403	526	594	972	1124	1283	1913	2309	/				
3	188	190	224	259	302	362	542	695	962	642	948	2053						

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	610	2,153	47	241
Specimen Tests: Width				
1	630	2,481	48	236
2	630	2,645	45	220
3	600	2,295	46	229
Mean	620	2,474	46	228



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