

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 EXCELLAY**.

The UNDERLAY used was **DUNLOP EXCELLAY**.

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

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	2.3	2.0	2.3	2.2
Smoke Development Rate (%.min)	263	214	221	233

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 233 %.min

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

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.



M. B. Webb
 Technical Manager

DATE: 30 Nov 2017

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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	182	183	233	251	286	358	399	532	582	736	1043	1687	2703	/				
2	213	215	305	343	371	443	463	514	651	1179	1391	2025	2546	/				
3	221	223	249	310	382	448	492	552	605	1095	1382	1849	2688					

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	605	2,693	54	229
Specimen Tests: Width				
1	610	2,766	57	263
2	640	3,002	51	214
3	610	2,683	55	221
Mean	620	2,817	54	233




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