

## ANDES PEAK

Sample description as provided by customer  
 Pile weight mass/unit area **35 oz/yd<sup>2</sup>**  
 Construction Details **Tufted Secondary Backing Synthetic**  
 Style **Loop Pile**

Order No. **K**  
 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 **01 Dec 2017** Total Thickness **mm**

### Assembly System: **OVER UNDERLAY AIRSTEP STEPEZY**

The **UNDERLAY** used was **AIRSTEP STEPEZY**.

**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/m<sup>2</sup>**  
**Width** Direction Critical Radiant Flux **2.0 kW/m<sup>2</sup>**

	Specimen Tests conducted in the <b>Width</b> Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	2.0	2.2	2.4	2.2
Smoke Development Rate (%.min)	196	200	206	201

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/m<sup>2</sup>**

**Mean Smoke Development Rate 201 %.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: 01 Dec 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	202	203	244	312	377	454	504	552	750	1082	1422	1938	2671	/				
2	180	181	241	307	331	374	413	452	583	798	1176	1952	2670	/				
3	188	189	239	294	362	402	448	502	591	832	1649	2149						

**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	590	2,643	52	219
Specimen Tests: Width				
1	640	2,766	48	196
2	610	3,001	57	200
3	590	2,842	55	206
Mean	613	2,870	53	201



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**

**M. B. Webb**  
Technical Manager

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