

CUSTOMER REFERENCE

TORNADO

Sample description as provided by customer

Order No. **PO 27577**

Pile weight mass/unit area **22 oz/yd²**

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

Construction Details **Tufted** Secondary Backing **Synthetic**

Colour **Various**

Style **Loop Pile**

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 **Mar 2017**

Test Date **09 Mar 2017**

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) **DUNLOP DB5**

The underlay used was **DUNLOP DB5** it was adhered to the substrate using **656** adhesive. The floor covering was adhered to the underlay using **95** adhesive.

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 **3.4 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **3.1 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	3.1	3.1	3.2	3.1
Smoke Development Rate (%.min)	160	212	185	186

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 **3.1 kW/m²**

MEAN SMOKE DEVELOPMENT RATE **186 percent-minutes**


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



M. B. Webb
Technical Manager

DATE: 09 Mar 2017

Performance & Approvals
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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	164	165	225	257	321	365	496	619	1099	1658	2258	/						
2	212	213	297	308	318	349	382	548	773	1075	1500	/						
3	218	219	236	291	324	372	473	551	943	1503	1853							

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	509	2,419	33	179
Specimen Tests: Width				
1	530	2,512	34	160
2	530	2,050	31	212
3	524	1,953	34	185
Mean	528	2,172	33	186



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



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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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