

CUSTOMER REFERENCE

Studio neutrals/ DUNLOP DB5

Sample description as provided by customer

Mass/unit area **1490 g/m²**
Construction Details **Tufted** Secondary Backing **Jute**
Style **Loop Pile**

Order No. **SF**
Pile Fibre Content **100% WOOL**
Colour **Red**
Pile Height **6 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 C1.10a 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 **September 2012** Test Date **17 Sep 2012**

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) DUNLOP DB5/DUNLOP PRIME & PEEL DUNLOP ULTRA BOND

The underlay used was **DUNLOP DB5** it was adhered to the substrate using **DUNLOP PRIME & PEEL** adhesive. The floor covering was adhered to the underlay using **DUNLOP ULTRA BOND** 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 **6.0 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **6.2 kW/m²**
Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	6.0	9.4	9.0	8.1
Smoke Development Rate (%.min)	85	54	48	62

The values quoted below are as required by Specification C1.10a 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 **8.1 kW/m²**

MEAN SMOKE DEVELOPMENT RATE **62 percent-minutes**


OBSERVATIONS: **The samples singed, ignited and burnt a short distance.**



M. B. Webb
Technical Manager

DATE: 17 Sep 2012

Measurement Science & Technology No. 15393
Accredited for compliance with ISO/IEC 17025.



PAGE 1 of 2

This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

The values on Page 2 have no relevance to the Code.

1004 04 09

TERMS AND CONDITIONS

APL (Applied Physics Laboratory) in the production of this report is based on the material supplied by the customer.

The completion of the report does not imply that the samples supplied are a representative sample of the product tested.

The tests undertaken by APL were completed in accordance with the instructions received and were carried out using generally accepted standards of testing and information as supplied.



The tests and Test Report accompanying the tests have been completed and complied at the request of our customer we do not accept any responsibility on any ground whatever, including liability in negligence to any other person.

The report shall not be altered in any circumstances.

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	137	138	144	154	162	175	384	/										
2	128	129	138	161	/													
3	129	129	136	150	175	/												

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: Width		340	765	17	57
Specimen Tests: Length					
1		350	720	21	85
2		190	739	15	54
3		210	720	15	48
Mean		250	726	17	62

M. B. Webb
Technical Manager

DATE: 17 Sep 2012

Measurement Science
& Technology No. 15393
Accredited for compliance
with ISO/IEC 17025.

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 Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
2004 04 09 2569 18 September 2012

TERMS AND CONDITIONS

APL (Applied Physics Laboratory) in the production of this report is based on the material supplied by the customer.

The completion of the report does not imply that the samples supplied are a representative sample of the product tested.

The tests undertaken by APL were completed in accordance with the instructions received and were carried out using generally accepted standards of testing and information as supplied.

The tests and Test Report accompanying the tests have been completed and complied at the request of our customer we do not accept any responsibility on any ground whatever, including liability in negligence to any other person.

The report shall not be altered in any circumstances.