

CUSTOMER REFERENCE

LEES DURACOLOR PREMIUM NYLON LOOP 26oz

Sample description as provided by customer

Mass/unit area **26 oz/yd²**
 Construction Details **Tufted** Secondary Backing **EcoFlex NXT**
 Style **Loop Pile**
The Samples Tested Were Modular Carpet

Order No. **MH**
 Pile Fibre Content **100% NYLON**
 Colour **Fawn**
 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 **Dec 2013**

Test Date **21 Dec 2013**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using **Water Based Surface Contact** 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 **8.3 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **8.2 kW/m²**
 Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	8.2	5.6	5.4	6.4
Smoke Development Rate (%.min)	195	269	336	267

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 6.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 267 percent-minutes

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



M. B. Webb
 Technical Manager

DATE: 21 Dec 2013

Performance & Approvals
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PAGE 1 of 2

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	290	292	338	395	490	/												
2	214	215	304	363	451	533	962	1307	/									
3	270	271	328	377	429	477	758	1096	/									

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	241	1,489	51	202
Specimen Tests: Width				
1	245	742	49	195
2	370	1,705	51	269
3	380	1,167	55	336
Mean	332	1,205	52	267



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

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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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