

CUSTOMER REFERENCE

LEES DURACOLOR PREMIUM NYLON LOOP 23 OZ

Sample description as provided by customer

Mass/unit area
 Construction Details **Tufted** Secondary Backing **EcoFlex NXT**
 Style **Loop Pile**

Order No. **MH**
 Pile Fibre Content **100% NYLON**
 Colour **Charcoal**
 Pile Height / mm

The Samples Tested Were Modular Carpet with EcoFlex NXT Backing

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 **8.9 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **8.8 kW/m²**
 Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	8.8	8.8	4.7	7.4
Smoke Development Rate (%.min)	155	152	286	198

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 7.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 198 percent-minutes

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



M. B. Webb
 Technical Manager
 DATE: 21 Dec 2013



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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	217	219	297	350	520	/												
2	195	197	288	305	362	/												
3	220	221	326	348	380	772	879	1002	1398	/								

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	216	1,059	45	156
Specimen Tests: Width				
1	220	772	46	155
2	220	741	55	152
3	420	1,428	55	286
Mean	287	980	52	198




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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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