m/s Mohawk International
PO BOX 358 ROZELLE NSW 2039
Attn: MS Meredith Hyde

TEST REPORT No. 137798

LABORATORY REF: P137798

CUSTOMER REFERENCE

LEES DURACOLOUR PREMIUM NYLON LOOP 21 oz

Sample description as provided by customer
Mass/unit area **21** oz/yd²
Construction Details **Tufted** Secondary Backing **EcoFlex NXT**
Style
The Samples Tested Were Modular Carpet With EcoFlex NXT backing

Order No. **MH**
Pile Fibre Content **100% NYLON**
Colour **Fawn Shades**
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 **8.8** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **4.7** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	4.7	9.0	5.4	6.4
Smoke Development Rate (%.min)	291	189	268	249

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 249 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 21 Dec 2013

Performance & Approvals
Testing No. 15393
Accredited for compliance with ISO/IEC 17025.

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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	235	237	305	348	504	591	735	1312	1896	/								
2	230	232	278	331	393	/												
3	199	201	316	375	436	591	717	1299	/									

TESTS

Specimen	BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment	BURNING CHARACTERISTICS: Time To Burn Out (s)	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)
Initial Test: **Length**	220	727	46	194
Specimen Tests: **Width**				
1	420	2,000	53	291
2	210	728	56	189
3	380	1,577	50	268
Mean	337	1,435	53	249

NATA
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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
2004 04 09 11761 20 December 2013

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