Attn: MS Mandy Chandley
m/s Godfrey Hirst Australia Pty Ltd
P O BOX 93
South Geelong VIC 3220

LABORATORY TEST REPORT
P172449D

SPECTRUM SPK

Sample description as provided by customer Order No. **APL 10 B**
Pile weight mass/unit area **24** oz/yd² Pile Fibre Content **100% NYLON**
Construction Details **Tufted** Secondary Backing **Tile Enviro Bac** Colour **Grey/ Charcoal**
Style **Loop Pile** Pile Height mm
The Samples Tested Were Modular Carpet Dimensions 1,000 mm X 250 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 the Building Code of Australia (BCA) and National Construction Code 2015 (NCC) specifications C1.10. Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date **Nov 2017** Test Date **24/11/2017** Total Thickness mm

Assembly System: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using Water Based Surface Contact adhesive.

Substrate: Non-Combustible - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: **Length** Direction Critical Radiant Flux **8.7** kW/m²
Width Direction Critical Radiant Flux **6.6** kW/m²

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m²)	6.6	7.8	7.2	7.2
Smoke Development Rate (%.min)	201	147	183	177

The values quoted below are as required by BCA and NCC Specification C1.10 Fire Hazard Properties (Floors).
The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

Mean Critical Radiant Flux 7.2 kW/m²

Mean Smoke Development Rate 177 %.min

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

AS.ISO 9239.1 Clause 9(o) The test results 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 in use.
All information required for compliance with the BCA and NCC is given on this test report page.

M. B. Webb
Technical Manager

DATE: 24/11/2017

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

APL Australia Pty Ltd
5 Carinish Rd, Oakleigh South
Victoria 3167 Australia
Telephone: 03 9543 1618
Facsimile: 03 9562 1818
Mobile: 0411 039 088
Email: apl@aplaustralia.com.au
Web: www.aplaustralia.com.au
ABN 69 468 849 319