



NZWTA

No. 1295869.0

(Please quote this number in all correspondence)

CLIENT:
Reid & Twiname
PO Box 11-2230
Penrose Auckland 1642

Attn.: Grant Barlow

SAMPLE RECEIVED FROM:
Reid & Twiname

Date Received: 10.9.12

SAMPLE DESCRIPTION:

Sample of CPPPGY – Pacific Carpet Plush Grey:
Nominal Composition – Polypropylene/Polyester
Backing – Resin SBR Latex
Nominal Weight – 680 ±68 gsm

Client Order No.:

1 of 1

Client Reference:

ISO 9239.1: 2010, Part 1 – REACTION TO FIRE TESTS FOR FLOORINGS. DETERMINATION OF THE BURNING BEHAVIOUR USING A RADIANT HEAT SOURCE

Note: This test was sub-contracted (Test No. 19-005316).

CHF Value	1	2	3	Mean
Length (kW/m ²)	2.7	-	-	-
Width (kW/m ²)	2.1	2.3	2.8	2.4
HF – 30 Value				
Length (kW/m ²)	2.7	-	-	-
Width (kW/m ²)	3.1	2.7	3.2	3.0
Smoke Value				
Length (%.min)	233	-	-	-
Width (%.min)	79	53	63	65

Observations

Melting
Penetration of flame through to substrate

Yes
Yes

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 sole criterion for assessing the potential fire hazard of the product in use.

Sample was conditioned in accordance with BSEN 13238:2010 at a temperature of 23 ±2°C and relative humidity of 50 ±5% for a minimum of 48 hours prior to testing.

Each specimen was adhered to a substrate of 6mm thick fibre reinforced cement board using Roberts 656 adhesive and clamped prior to testing.

Results in accordance with section 9.4 have not been included in the report. They are available upon request.

"THIS REPORT APPLIES ONLY TO THE SAMPLES TESTED"
Samples and their identifying descriptions have been provided by the client unless otherwise stated. NZWTA Ltd makes no warranty, implied or otherwise as to the source of the tested samples. The above results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY.
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Signatory

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12/12/2019

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[C3—FIRE AFFECTING AREAS BEYOND THE FIRE SOURCE (continued)

Provisions
 (b) floor surface materials in the following areas of *buildings* must meet the performance criteria specified below:

Limit on application

Area of <i>building</i>	Minimum critical radiant flux when tested to ISO 9239-1: 2010	
	<i>Buildings not protected with an automatic fire sprinkler system</i>	<i>Buildings protected with an automatic fire sprinkler system</i>
Sleeping areas and exitways in <i>buildings</i> where care or detention is provided	4.5 kW/m ²	2.2 kW/m ²
Exitways in all other <i>buildings</i>	2.2 kW/m ²	2.2 kW/m ²
Firecells accommodating more than 50 persons	2.2 kW/m ²	1.2 kW/m ²
All other occupied spaces except <i>household units</i>	1.2 kW/m ²	1.2 kW/m ²

(c) suspended flexible fabrics and membrane structures used in the construction of *buildings* must have properties resulting in a low probability of injury or illness to persons not in close proximity to a *fire source*.

C3.5 *Buildings* must be designed and constructed so that fire does not spread more than 3.5 m vertically from the *fire source* over the external cladding of multi-level *buildings*.

C3.6 *Buildings* must be designed and constructed so that in the event of fire in the building the received radiation at the *relevant boundary* of the property does not exceed 30 kW/m² and at a distance of 1 m beyond the relevant boundary of the property does not exceed 16 kW/m².

Schedule 1 clause C3: replaced, on 10 April 2012, by regulation 6 of the Building (Building Code: Fire Safety and Signs) Amendment Regulations 2012 (SR 2012/83).