



Solution Dyed Nylon – Residential Carpet

BPIR Declaration

Version 2.0 August 2026

Designated Building Product: Class 1

Declaration

Robert Malcolm Limited has provided this declaration to satisfy the provisions of Schedule 1 (d) of the Building (Building Product Information Requirements) Regulations 2022. See [Regulations](#)

Company Details

Name: Robert Malcolm Limited
Role: Supplier
NZBN: 9429031999632
Address: 10 Establishment Drive, Hornby South, Christchurch 8042
Website: www.robertmalcolm.co.nz
Email: office@robertmalcolm.co.nz
Phone: 03 366 9839
Manufacturer: Robert Malcolm Limited www.robertmalcolm.co.nz

Description of the Building Product

Robert Malcolm broadloom carpets (refer product summary below) are residential grade, with cut pile construction comprising of solution dyed nylon face yarn, polypropylene primary backing, latex layer and secondary hessian (jute) backing. Robert Malcolm residential broadloom carpets are generally installed using 'conventional installation' where carpet is laid over foam or rubber underlay and is stretched onto carpet gripper at the perimeter of the room.

Robert Malcolm residential broadloom carpets are available in multiple ranges that vary in weight – please refer to the product summary below.

Robert Malcolm Solution Dyed Nylon, Residential Broadloom Carpet Product Summary

Name	Weight
Roseneath	36oz
Remuera	55oz
Fendalton	70oz
Ponsonby	53oz
Thorndon	70oz
Paihia	34oz
Cambridge	48oz
Wanaka	65oz
Kelburn	36oz
Sumner	48oz
Herne Bay	56oz

Sustainability

The yarn manufacturers, considers the sustainability of their products and business practices by actively engaging in the following:

- REACH Compliance
- ISO 50001:2008 Energy Management on Production of Synthetic Filament Yarn and Masterbatch

Building Code Obligations

B2 Durability		
B2.3.1 (c) Building elements must, with only normal maintenance continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated or: (c) 5 years if (i) the building elements (including services, linings, renewable protective coatings and fixtures) are easy to access and replace, and (ii) failure of those building elements to comply with the building code would be easily detected during normal use of the building		
Evidence	Rationale	
Warranty Period	Residential Warranty Robert Malcolm Limited provide the following warranty on residential solution dyed nylon, broadloom products: -10 year stain resistance -15 year fade resistance -15 year fibre retention	
B2/VM1 1.1.1 In-service history	Robert Malcolm Ltd have been supplying solution dyed nylon carpet ranges to the New Zealand market for 18 years. Aquafil yarn has been manufactured since 1965 in Italy and since 2010 in China. This satisfies the performance requirements of the Building Code for a period of 5 years as the floor covering is easy to access and replace, and failure of the product would be easily detected during normal use of the product.	
C3 Fire affecting areas beyond the fire source		
C3.4(b) Floor surface materials in the following areas of buildings must meet the performance criteria specified below:		
Area of Building	Minimum critical radiant flux when tested to ISO 9239-1:2010	
	Buildings not protected with an automatic fire sprinkler system	Buildings protected with an automatic fire sprinkler system
Sleeping areas and exitways in buildings where care or detention is provided	4.5 kW/m2	2.2 kW/m2
Exitways in all other buildings	2.2 kW/m2	2.2 kW/m2
Firecells accommodating more than 50 persons	2.2 kW/m2	1.2 kW/m2
All other occupied spaces except household units	1.2 kW/m2	1.2 kW/m2
Evidence	Rationale	
Clause 3.4 does not apply to <i>detached dwellings</i> , within <i>household units</i> , in <i>multi-unit dwellings</i> , or <i>outbuildings</i> and <i>ancillary buildings</i>	All ranges (except Cambridge, Kelburn and Paihia) in the Robert Malcolm solution dyed nylon, residential broadloom carpet product summary above are designed exclusively for residential use, therefore Clause 3.4 is not applicable due to the Limit on Application imposed	

AWTA Product Testing AS ISO 9239-1 : 2003	AWTA is an independent testing facility engaged by Robert Malcolm Ltd to perform inflammability tests. Test results on these products are available, please refer to the table below and supporting documents. Test results confirm that the performance requirements outlined in the table above are satisfied.			
Range	Date of Test	Test Number	Mean Critical Radiant Flux	
Cambridge	20/5/2021	21-001258	4.0 kW/m2	
Paihia	27/4/2021	21-001255	2.2 kW/m2	
Kelburn	16/6/26	26-002212	2.5 kW/m2	
D1 Access Routes				
D1.3.3(d) Access routes shall: -Have adequate slip resistant walking surfaces under all conditions of normal use D2.1.2(b) For level access routes (including level accessible routes) expected to become wet with water in normal use, walking surfaces shall either: a) Have an SRV classification of not less than 39 from the wet pendulum test method of AS 4586 Appendix A using the Slider 96 rubber, or b) Use the materials listed in Table 2 as ‘acceptable wet slip’				
Table 2: Slip Resistance for Walking Surfaces				
Walking Surface	Level Surface		Sloping Surface or Stairs	
	Acceptable dry slip resistance	Acceptable wet slip resistance	Acceptable dry slip resistance	Acceptable wet slip resistance
Carpet Tufted or Loop Pile	Yes	Yes	Yes	Yes
Evidence	Rationale			
Table 2 (above)	Table 2 above confirms that Robert Malcolm solution dyed nylon, residential broadloom carpet products listed in the product summary meet the performance requirement of the Building Code D1.3.3(b) as an Acceptable Solution under dry or wet conditions on both level, and sloping surfaces or stairs.			
F2 Hazardous building materials				
F2.1 The objective of this provision is to safeguard people from injury and illness caused by exposure to hazardous building materials F2.3.1 The quantities of gas, liquid, radiation or solid particles emitted by materials used in the construction of buildings shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.				
Evidence	Rationale			
Aquafil Yarn REACH Compliant	Aquafil (yarn supplier) does not use substances listed in Annex XIV of the REACH Regulation, is PFAS (per –and polyfluoroalkyl substance) free			
Precoat and Jute Lock Compound	Classified as non-hazardous and non-dangerous on the safety data sheets from RLA Polymers			
Polypropylene Primary Backing	Does not contain heavy metals and is not considered harmful to aquatic organisms nor cause long term adverse effects in the environment – refer Section 2.1 and Section 12.1 of the safety data sheets from Mattex Group			

Scope of Use and Limitations

Building Work

Scope	Limitation
In conjunction with a substrate and primary structure that complies with the NZ Building Code, or where the primary structure is the equivalent stiffness to the framing provisions of NZS 3604: 2011	-Installation must be in accordance with Flooring Standards AS/NZS 2455.1:1:2007 Textile floorcoverings – Installation Practice Part 1: General -Installation must be in accordance with Floor NZ Best Practice Guidelines for the New Zealand Flooring Industry – Carpet Floor Coverings Planning and Installation
For all building classified uses	-For residential use, refer to Robert Malcolm Limited for warranty details and exclusions -Robert Malcolm broadloom carpets are only suitable for use in interior situations that are dry under normal use
Stain resistance warranty	-Excludes non-food and non-beverage stains caused by substances such as cosmetics, bleaches, inks and waxes. Refer to Robert Malcolm Limited for further details
Suitable for installation on stairs	-Installation must be in accordance with Flooring Standards AS/NZS 2455.1:1:2007 Textile floorcoverings – Installation practice Part 1: General -Installation must be in accordance with Floor NZ Best Practice Guidelines for the New Zealand Flooring Industry – Carpet Floor Coverings Planning and Installation

Conditions of Use

Robert Malcolm solution dyed nylon, residential broadloom carpet products must be installed and maintained in accordance with all of the Robert Malcolm requirements.

Warning or Ban

This building product line is not subject to a warning or ban under section 26 of the Building Act 2004.

Additional Information

For all design, installation and maintenance-related information, and for information supporting Robert Malcolm claims, refer to www.robertmalcolm.co.nz

Product Links

Cambridge

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#cambridge>

Fendalton

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#fendalton>

Herne Bay

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#herne-bay>

Kelburn

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#kelburn>

Paihia

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#paihia>

Ponsonby

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#ponsonby>

Remuera

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#remuera>

Roseneath

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#roseneath>

Sumner

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#sumner>

Thorndon

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#thorndon>

Wanaka

<https://www.robertmalcolm.co.nz/contact-us/bpi-library/#wanaka>