

## **Solution Dyed Nylon – Residential Carpet**

### **BPIR Declaration**

#### **Designated Building Product:Class1**

#### **Declaration**

The Carpet Barn Hamilton Ltd 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: The Carpet Barn Hamilton Ltd  
Role: Manufacturer/Retailer  
NZBN: 9429039247735  
Address: 48 Evolution Drive, Horotiu, Waikato  
Website: [www.carpetmill.co.nz](http://www.carpetmill.co.nz)  
Email: [sam.white@carpetmill.co.nz](mailto:sam.white@carpetmill.co.nz)  
Phone: 0800255855  
Manufacturer: The Carpet Barn Hamilton Ltd (T/A Carpet Mill)

#### **Description of the Building Product**

Carpet Mills broadloom carpets (refer product summary below) are residential grade, with cut pile and loop pile construction comprising of solution dyed nylon face yarn, polypropylene primary backing, latex layer and secondary Polypropylene backing. Carpet Mills 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.

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

#### **Carpet Mill Solution Dyed Nylon, Residential Broadloom Carpet Product Summary**

**Refer to product specification sheets**

## Sustainability

Aquafil, the yarn manufacturer, 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 Master Batch

## Building Code Obligations

<b>B2 Durability</b>	
<p>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</p>	
<b>Evidence</b>	<b>Rationale</b>
<p>Warranty Period</p> <p>B2/VM1 1.1.1 In-service history</p>	<p>Residential Warranty            The Carpet Barn Hamilton Limited provide the following warranty on residential solution dyed nylon, broadloom products:</p> <ul style="list-style-type: none"> <li>- 8 year Manufacturer's warranty</li> <li>- 10 Year manufacturer's warranty</li> <li>- 15 Year manufacturer's warranty</li> </ul> <p>Please see reference to warranty details as below for relevant time period</p> <p>The Carpet Barn Hamilton Ltd has been supplying solution dyed nylon carpet ranges to the New Zealand market for 10 years. Aquafil yarn has been manufactured since 1965 in Italy and since 2010 in China.</p> <p>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.</p>
<b>C3 Fire affecting areas beyond the fire source</b>	
<p>C3.4(b) Floor surface materials in the following areas of buildings must meet the performance criteria specified below:</p>	
<b>Area of Building</b>	<b>Minimum critical radiant flux when tested to ISO 9239-1:2010</b>
	<p>Buildings not protected with an automatic fire sprinkler system</p> <p>Buildings protected with an automatic fire sprinkler system</p>
Sleeping areas and exit ways in buildings where care or detention is provided	<p>4.5 kW/m<sup>2</sup></p> <p>2.2 kW/m<sup>2</sup></p>
Exit ways in all other buildings	<p>2.2 kW/m<sup>2</sup></p> <p>2.2 kW/m<sup>2</sup></p>
Fire cells accommodating more than 50 persons	<p>2.2 kW/m<sup>2</sup></p> <p>1.2 kW/m<sup>2</sup></p>
All other occupied spaces except household units	<p>1.2 kW/m<sup>2</sup></p> <p>1.2 kW/m<sup>2</sup></p>
<b>Evidence</b>	<b>Rationale</b>
<p>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></p>	<p>All Ranges are designed for Residential use and can be used in commercial application where the test results attached meet clause 3.4</p>

<p>AWTA Product Testing ISO 9239-1 : 2010</p>	<p>AWTA is an independent testing facility engaged by The Carpet Barn Hamilton Ltd to perform inflammability tests. Test results on these products are available; please refer to the table below and supporting documents.</p> <p>Test results confirm that the performance requirements outlined in the table above are satisfied.</p>
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**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 resistance	Acceptable dry slip wet slip resistance
<p><b>Carpet</b> Tufted cut or Loop Pile</p>	Yes	Yes	Yes	Yes

**Evidence**

Table 2 (above)

**Rationale**

Table 2 above confirms that Carpet Mills 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**

**Aquafil Yarn**  
REACH Compliant

**Precoat and Jute Lock**

**Compound Polypropylene**

**Primary Backing**

**Rationale**

Aquafil (yarn supplier) does not use substances listed in Annex XIV of the REACH Regulation, is PFAS (per –and polyfluoroalkyl substance) free

Classified as non-hazardous and non-dangerous on the safety data sheets from RLA Polymers

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 <a href="http://Carpet Mill.co.nz">Carpet Mill.co.nz</a> for warranty details and exclusions -Carpet Mills broadloom carpets are only suitable for use in interior situations that are dry under normal use
Stain resistance warranty	-Refer to our warranty
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

Carpet Mills solution dyed nylon, residential broadloom carpet products must be installed and maintained in accordance with all of Carpet mills 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

See Below for all Carpet Product specification sheets and testing information

# Casabella / Valenciana 3kg (24 oz.)



## Product Description

<b>Product name:</b>	Casabella/Valenciana 3kg (24oz)
<b>Carpet Description:</b>	Cut Pile Twist
<b>Construction:</b>	Tufted
<b>Width:</b>	3.66 meters (12ft. Broadloom)
<b>Pile Content:</b>	100% solution dyed nylon
<b>Grading:</b>	Residential HD (including stairs) 4 Star reg. No 16080 and 18032
<b>ACCS ECS grading:</b>	Level 4, reg. no 16080 and 18032

## Product Specifications

<b>Yarn Specification:</b>	2 Ply BCF (Bulk Continuous Filament)
<b>Gauge:</b>	1/8 gauge (31.5/10cm)
<b>Pile height/carpet thickness:</b>	6.0mm / 8.0mm + / - 1.0mm
<b>Pile weight:</b>	820 grams/m2 (24Oz/yd2 +/- 5%)
<b>Primary Backing:</b>	Woven Polypropylene
<b>Secondary Backing:</b>	Hessian
<b>Backing Adhesive:</b>	SBR Latex
<b>Pattern Repeat:</b>	N/A
<b>Static Control:</b>	Carbon Filament to negate static
<b>Colour Variation:</b>	Colour may vary from dye lot to dye lot
<b>Material Variation:</b>	Backing or raw material may change without notice, depending on raw material availability
<b>Installation:</b>	Carpet Must be installed in accordance with AS/NZS 2455.1:2007 unless otherwise specified by the manufacturer
<b>Cleaning and Maintenance:</b>	Cleaning and maintenance should be done in accordance with AS/NZS 3733:1995
<b>Shading (watermarking/ permanent pile reversal):</b>	Shading is an inherent characteristic of (predominantly) cut pile carpets and is not recognised as a manufacturing fault



# Casabella / Valenciana 4kg (32 oz.)



## Product Description

<b>Product name:</b>	Casabella/Valenciana 4kg (32oz)
<b>Carpet Description:</b>	Cut Pile Twist
<b>Construction:</b>	Tufted
<b>Width:</b>	3.66 meters (12ft. Broadloom)
<b>Pile Content:</b>	100% solution dyed nylon
<b>Grading:</b>	Residential EHD (including stairs) 6 Star reg. No 16081 and 16088
<b>ACCS ECS grading:</b>	Level 4, reg. no 16081 and 16088

## Product Specifications

<b>Yarn Specification:</b>	2 Ply BCF (Bulk Continuous Filament)
<b>Gauge:</b>	1/8 gauge (31.5/10cm)
<b>Pile height/carpet thickness:</b>	8.0mm / 11.0mm +/- 1.0mm
<b>Pile weight:</b>	1090 grams/m2 (32Oz/yd2 +/- 5%)
<b>Primary Backing:</b>	Woven Polypropylene
<b>Secondary Backing:</b>	Hessian
<b>Backing Adhesive:</b>	SBR Latex
<b>Pattern Repeat:</b>	N/A
<b>Static Control:</b>	Carbon Filament to negate static
<b>Colour Variation:</b>	Colour may vary from dye lot to dye lot
<b>Material Variation:</b>	<u>Backing or raw material may change without notice, depending on raw material availability</u>
<b>Installation:</b>	<u>Carpet Must be installed in accordance with AS/NZS 2455.1:2007 unless otherwise specified by the manufacturer</u>
<b>Cleaning and Maintenance:</b>	<u>Cleaning and maintenance should be done in accordance with AS/NZS 3733:1995</u>
<b>Shading (watermarking/ permanent pile reversal):</b>	<u>Shading is an inherent characteristic of (predominantly) cut pile carpets and is not recognised as a manufacturing fault</u>



# Casabella / Valenciana 5kg (40 oz.)



## Product Description

<b>Product name:</b>	Casabella/Valenciana 5kg (40oz)
<b>Carpet Description:</b>	Cut Pile Twist
<b>Construction:</b>	Tufted
<b>Width:</b>	3.66 meters (12ft. Broadloom)
<b>Pile Content:</b>	100% solution dyed nylon
<b>Grading:</b>	Residential EHD (including stairs) 6 Star reg. No 16082 and 16089
<b>ACCS ECS grading:</b>	Level 4, reg. no 16082 and 16089

## Product Specifications

<b>Yarn Specification:</b>	2 Ply BCF (Bulk Continuous Filament)
<b>Gauge:</b>	1/8 gauge (31.5/10cm)
<b>Pile height/carpet thickness:</b>	11.0mm / 14.0mm +/- 1.0mm
<b>Pile weight:</b>	1366 grams/m2 (40Oz/yd2 +/- 5%)
<b>Primary Backing:</b>	Woven Polypropylene
<b>Secondary Backing:</b>	Hessian
<b>Backing Adhesive:</b>	SBR Latex
<b>Pattern Repeat:</b>	N/A
<b>Static Control:</b>	Carbon Filament to negate static
<b>Colour Variation:</b>	Colour may vary from dye lot to dye lot
<b>Material Variation:</b>	Backing or raw material may change without notice, depending on raw material availability
<b>Installation:</b>	Carpet Must be installed in accordance with AS/NZS 2455.1:2007 unless otherwise specified by the manufacturer
<b>Cleaning and Maintenance:</b>	Cleaning and maintenance should be done in accordance with AS/NZS 3733:1995
<b>Shading (watermarking/ permanent pile reversal):</b>	Shading is an inherent characteristic of (predominantly) cut pile carpets and is not recognised as a manufacturing fault





# Casabella / Valenciana 7kg (56 oz.)



## Product Description

<b>Product name:</b>	Casabella/Valenciana 7kg (56oz)
<b>Carpet Description:</b>	Cut Pile Twist
<b>Construction:</b>	Tufted
<b>Width:</b>	3.66 meters (12ft. Broadloom)
<b>Pile Content:</b>	100% solution dyed nylon
<b>Grading:</b>	Residential EHD (including stairs) 6 Star reg. No 16083 and 16090
<b>ACCS ECS grading:</b>	Level 4, reg. no 16083 and 16090

## Product Specifications

<b>Yarn Specification:</b>	2 Ply BCF (Bulk Continuous Filament)
<b>Gauge:</b>	1/8 gauge (31.5/10cm)
<b>Pile height/carpet thickness:</b>	13.0mm / 16.0mm +/- 1.0mm
<b>Pile weight:</b>	1910 grams/m2 (56Oz/yd2 +/- 5%)
<b>Primary Backing:</b>	Woven Polypropylene
<b>Secondary Backing:</b>	Hessian
<b>Backing Adhesive:</b>	SBR Latex
<b>Pattern Repeat:</b>	N/A
<b>Static Control:</b>	Carbon Filament to negate static
<b>Colour Variation:</b>	Colour may vary from dye lot to dye lot
<b>Material Variation:</b>	<u>Backing or raw material may change without notice, depending on raw material availability</u>
<b>Installation:</b>	<u>Carpet Must be installed in accordance with AS/NZS 2455.1:2007 unless otherwise specified by the manufacturer</u>
<b>Cleaning and Maintenance:</b>	<u>Cleaning and maintenance should be done in accordance with AS/NZS 3733:1995</u>
<b>Shading (watermarking/ permanent pile reversal):</b>	<u>Shading is an inherent characteristic of (predominantly) cut pile carpets and is not recognised as a manufacturing fault</u>



# Casabella / Valenciana 9kg (72 oz.)



## Product Description

<b>Product name:</b>	Casabella/Valenciana 9kg (72oz)
<b>Carpet Description:</b>	Cut Pile Twist
<b>Construction:</b>	Tufted
<b>Width:</b>	3.66 meters (12ft. Broadloom)
<b>Pile Content:</b>	100% solution dyed nylon
<b>Grading:</b>	Residential EHD (including stairs) 6 Star reg. No 16084 and 16091
<b>ACCS ECS grading:</b>	Level 4, reg. no 16084 and 16091

## Product Specifications

<b>Yarn Specification:</b>	2 Ply BCF (Bulk Continuous Filament)
<b>Gauge:</b>	1/8 gauge (31.5/10cm)
<b>Pile height/carpet thickness:</b>	15.0mm / 18.0mm +/- 1.0mm
<b>Pile weight:</b>	2460 grams/m2 (72Oz/yd2 +/- 5%)
<b>Primary Backing:</b>	Woven Polypropylene
<b>Secondary Backing:</b>	Hessian
<b>Backing Adhesive:</b>	SBR Latex
<b>Pattern Repeat:</b>	N/A
<b>Static Control:</b>	Carbon Filament to negate static
<b>Colour Variation:</b>	Colour may vary from dye lot to dye lot
<b>Material Variation:</b>	<u>Backing or raw material may change without notice, depending on raw material availability</u>
<b>Installation:</b>	<u>Carpet Must be installed in accordance with AS/NZS 2455.1:2007 unless otherwise specified by the manufacturer</u>
<b>Cleaning and Maintenance:</b>	<u>Cleaning and maintenance should be done in accordance with AS/NZS 3733:1995</u>
<b>Shading (watermarking/ permanent pile reversal):</b>	<u>Shading is an inherent characteristic of (predominantly) cut pile carpets and is not recognised as a manufacturing fault</u>



# Galaxy 6.8kg (55 oz.)



## Product Description

<b>Product name:</b>	Galaxy 6.8kg(55oz)
<b>Carpet Description:</b>	Cut Pile Twist
<b>Construction:</b>	Tufted
<b>Width:</b>	3.66 meters (12ft. Broadloom)
<b>Pile Content:</b>	100% solution dyed nylon
<b>Grading:</b>	Residential EHD (including stairs) 6 Star reg TBC
<b>ACCS ECS grading:</b>	Level 4, reg. TBC

## Product Specifications

<b>Yarn Specification:</b>	2 Ply BCF (Bulk Continuous Filament)
<b>Gauge:</b>	1/8 gauge (31.5/10cm)
<b>Pile height/carpet thickness:</b>	11.00mm/13.mm
<b>Pile weight:</b>	1910 grams/m2 (55Oz/yd2 +/- 5%)
<b>Primary Backing:</b>	Woven Polypropylene
<b>Secondary Backing:</b>	Woven Polypropylene
<b>Backing Adhesive:</b>	SBR Latex
<b>Pattern Repeat:</b>	N/A
<b>Static Control:</b>	N/A
<b>Colour Variation:</b>	Colour may vary from dye lot to dye lot
<b>Material Variation:</b>	<u>Backing or raw material may change without notice, depending on raw material availability</u>
<b>Installation:</b>	<u>Carpet Must be installed in accordance with AS/NZS 2455.1:2007 unless otherwise specified by the manufacturer</u>
<b>Cleaning and Maintenance:</b>	<u>Cleaning and maintenance should be done in accordance with AS/NZS 3733:1995</u>
<b>Shading (watermarking/ permanent pile reversal):</b>	<u>Shading is an inherent characteristic of (predominantly) cut pile carpets and is not recognised as a manufacturing fault</u>



# Sintra 4.5kg (36 oz.)



## Product Description

<b>Product name:</b>	Sintra 4.5kg (36oz)
<b>Carpet Description:</b>	Loop Pile
<b>Construction:</b>	Tufted
<b>Width:</b>	3.66 meters (12ft. Broadloom)
<b>Pile Content:</b>	100% solution dyed nylon
<b>Grading:</b>	Residential EHD (including stairs) 6 Star reg. No 18098
<b>ACCS ECS grading:</b>	Level 4, reg. no 18098

## Product Specifications

<b>Yarn Specification:</b>	2 Ply BCF (Bulk Continuous Filament)
<b>Gauge:</b>	5/32 gauge (25.2/10cm)
<b>Pile height/carpet thickness:</b>	8.0mm / 11.0mm +/- 1.0mm
<b>Pile weight:</b>	1230 grams/m2 (36Oz/yd2 +/- 5%)
<b>Primary Backing:</b>	Woven Polypropylene
<b>Secondary Backing:</b>	Hessian
<b>Backing Adhesive:</b>	SBR Latex
<b>Pattern Repeat:</b>	N/A
<b>Static Control:</b>	Carbon Filament to negate static
<b>Colour Variation:</b>	Colour may vary from dye lot to dye lot
<b>Material Variation:</b>	<u>Backing or raw material may change without notice, depending on raw material availability</u>
<b>Installation:</b>	<u>Carpet Must be installed in accordance with AS/NZS 2455.1:2007 unless otherwise specified by the manufacturer</u>
<b>Cleaning and Maintenance:</b>	<u>Cleaning and maintenance should be done in accordance with AS/NZS 3733:1995</u>
<b>Shading (watermarking/ permanent pile reversal):</b>	<u>Shading is an inherent characteristic of (predominantly) cut pile carpets and is not recognised as a manufacturing fault</u>





# Cadrona

## Product Description

Product name:	Cadrona
Carpet Description:	Loop pile
Construction:	Tufted
Width:	3.66 meters (12ft. Broadloom)
Pile Content:	100% solution dyed nylon
Grading:	Residential EHD (including stairs) 6 Star reg. No 19058 . <b>Commercial HD 3 Star</b>
ACCS ECS grading:	Level 4, reg. no 19058

## Product Specifications

Yarn Specification:	Heathered yarn (Bulk Continuous Filament)
Gauge:	5/32 gauge (25.2/10cm)
Pile height/carpet thickness:	6.0mm / 9.0mm + / - 1.0mm
Pile weight:	820 grams/m2 (26.8Oz/yd2 +/- 5%)
Primary Backing:	Woven Polypropylene
Secondary Backing:	<b>Woven</b> Polypropylene
Backing Adhesive:	SBR Latex
Pattern Repeat:	N/A
Static Control:	Carbon Filament to negate static
Colour Variation:	Colour may vary from dye lot to dye lot
Material Variation:	Backing or raw material may change without notice, depending on raw material availability
Installation:	Carpet Must be installed in accordance with AS/NZS 2455.1:2007 unless otherwise specified by the manufacturer
Cleaning and Maintenance:	Cleaning and maintenance should be done in accordance with AS/NZS 3733:1995
Shading (watermarking/ permanent pile reversal):	Shading is an inherent characteristic of (predominantly) cut pile carpets and is not recognised as a manufacturing fault



