



SUPERTUFT

SUPERTUFT
ESCAPE TWIST
TECHNICAL SPECIFICATIONS

ESCAPE TWIST SPECIFICATION

PILE HEIGHT	100% New Zealand Wool
PILE HEIGHT	8mm approximately
TOTAL CARPET HEIGHT	10mm approximately
TUFTED PILE MASS	50 oz/yd ² before shearing and including moisture regain 1695 grams/m ²
FINISHED PILE MASS	48 oz/yd ² after shearing and including moisture regain 1630 grams/m ² + or – 1.5% to Australian standards
WIDTH	3.66m
WOOLMARK GRADING	Extra heavy residential including stairs. Heavy contract

MAINTENANCE

Regular cleaning with a good vacuum cleaner will remove any surface dust and prevent undue build-up of material which could harm the carpet. Prompt expert spot cleaning should be carried out as required. Shampooing should be conducted in accordance with the manufacturer's instructions.

DIMENSIONS

Product specifications are based on the results of independent testing. These specifications may be subject to slight variations. Any variation to specifications should be minimal due to strict quality control at all stages of manufacture. The width of the carpet is controlled to + or – 1.5%

STATIC PROPERTIES

No discomfort from static discharge should be expected under normal atmospheric conditions of approximately 45% Relative Humidity and 20°C. Problems with static discharge are generally associated with conditions of low humidity.



INSTALLATION RECOMMENDATIONS

As per AS2455-1 Manufacturer's instructions.

INSECT RESIST TREATED

SHADING – IMPORTANT

Please note that "Shading" (watermarking, permanent pile reversal) will occur in cut pile carpet due to unknown factors other than traffic and is a characteristic of cut pile carpet and not a manufacturing fault. Before purchasing ask your supplier to explain the phenomenon of shading and read the brochure titled "Permanent Pile Reversal Shading" distributed by the Carpet Institute of Australia and displayed on our website. Colour variation does occur between dye batches.

FURTHER ASSISTANCE

Please contact us if you require further advice on any matter.

- **For commercial and residential projects.**
- **Made in Melbourne**
- **100% New Zealand wool**
- **Fully guaranteed for 5 years**

See full Warranty and Maintenance conditions on our website

www.supertuft.com.au for full colour range, specifications, flammability reports, warranties and maintenance advice or a quotation from your nearest supplier.

www.supertuft.com.au
sales@supertuft.com.au

+61 03 9427 8600



INSTALLED CARPET HEIGHTS

There are 2 main considerations regarding installed carpet heights.

1. The height where carpet meets hard flooring and
2. The heights for door clearance above carpet.

The height where carpet meets hard flooring. In a conventional residential installation, the carpet is installed on underlay and secured with carpet gripper (timber battens with spikes to hold the carpet).

Some Interior Designers prefer the carpet to be slightly higher than the adjacent hard flooring so that the carpet appears to be more abundant.

At the junction to hard flooring the carpet sits on the 6mm high carpet gripper.

The height of our carpets on carpet gripper.

50 oz./yd²

Escape Twist - 15mm - 16mm

60 oz./yd²

Escape Twist - 17mm - 18mm

80 oz./yd²

Escape Twist - 20mm - 21mm

TWIST PILE HEIGHTS

40 oz Twist

Pile fibre	100% wool
Pile height	7.50mm approximately
Total height	9.50mm approximately
Tufted pile mass	40 oz/yd ² before shearing & including moisture regain 1355 grams/m ²
Finished pile mass	38 oz/yd ² after shearing & including moisture regain 1280 grams/m ²
Recommended	Medium to heavy residential use (no stairs)

50 oz Twist

Pile fibre	100% wool
Pile height	8.00mm approximately
Total height	10.00mm approximately
Tufted pile mass	50 oz/yd ² before shearing & including moisture regain 1695 grams/m ²
Finished pile mass	48 oz/yd ² after shearing and including moisture regain 1630 grams/m ² + or - 1.5% to Australian standards
Recommended	Extra heavy residential (including stairs) Medium contract

60 oz Twist

Pile fibre	100% wool
Pile height	10.50mm approximately
Total carpet height	12.50mm approximately
Tufted pile mass	60 oz/yd ² before shearing & including moisture regain 2030 grams/m ²
Finished pile mass	58 oz/yd ² after shearing & including moisture regain 1960 grams/m ² and + or - 5% to Australian Standards
Recommended	Heavy residential use (including stairs)

80 oz Twist

Pile fibre	100% wool
Pile height	12.50mm approximately
Total carpet height	14.00mm approximately
Tufted pile mass	80 oz/yd ² before shearing & including moisture regain 2710 grams/m ²
Finished pile mass	78oz/yd ² after shearing & including moisture regain 2640 grams/m ² and + or -5% to Australian Standards
Recommended	Luxury residential use

Slip Resistance Assessment of Carpets for Compliance to National Construction Code of Australia

Author: A. Webb & X. Lin

Report Number: EP 153410

Project Number: XC3283

Date of issue: 1 May 2020

Status: Revision D 2020 reissue

Client: Carpet Institute of Australia Limited

Original issue date 23 June 2015.

Reissued 1 May 2020. This report has been reviewed and has been revised by CSIRO prior to reissue. No further test data has been provided by the client or included in the assessment.

TERM OF VALIDITY: This report will expire on the 1st day of May 2025.

Commercial-in-confidence

Executive summary

A statistical analysis was carried out on a body of data consisting of the slip resistance test results, in accordance with AS 4586 Appendix A, on a range of carpets. The analysis assessed the likelihood of compliance with the NCC BCA Volume 1 Class 2 to 9 buildings and NCC BCA Volume 2 Class 1 and 10 buildings requirements for dry surfaces including stair treads, ramps and landings. The relevant clauses require a minimum Slip Resistance Classification (SRC) of Class P3. The statistical analysis was performed based on 102 test reports of tests from two test laboratories. A probability that a carpet of similar construction determined to have a probability of failure (Classification less than P3) of less than 0.1% was considered to provide a level of safety that will satisfy the Performance Requirements DP2 of the BCA Vol 1 2019 and Performance Requirements P2.5.1 of the BCA Vol 2 2019.

Table 1 summarises our statistical analysis results (Section 9) of whether, with 99.9% confidence (that is, 1 chance in 1,000 of a non-complying result), samples of various types of carpets can be expected to exceed the minimum value of SRC of Class P3 as required by the NCC for stairs, landings and ramps. This depends on the fibre type, style and the pile thickness (PT, the fibre length above the substrate). This implies that, for samples of carpets of the types identified, SRV values should have less than a 0.1% probability of not achieving the predicted performance if tested under AS 4586 Appendix A.

Table 1: Results from statistical modelling and analysis. Range of carpet which will achieve Classification not less than P3 and hence which can be considered to conform without further testing for stair treads, landings and ramps not steeper than 1:14.

Fibre Type ("face fibre" or "wear surface")			
Wool and wool rich ($\geq 80\%$ wool)	Nylon	Other	Style
OK for all PT $4.1\text{mm} \leq \text{PT} \leq 15.2\text{mm}$	OK for $3.8\text{mm} \leq \text{PT} \leq 8.0\text{mm}$		Cut Pile
	OK for $3.5\text{mm} \leq \text{PT} \leq 6.6\text{mm}$	<i>insufficient data</i>	Loop Pile

Based on the test data received and the statistical analysis of that data, carpets conforming to the above description and manufactured by Beaulieu Australia, Brintons, Cavalier Bremworth, Feltex Carpets, Godfrey Hirst Carpets, Interface, Norman Ellison Carpets, Milliken-Ontera, Quest Carpets, Supertuft, Tuftmaster Carpets and Victoria Carpets are covered by this assessment.

No conclusion could be drawn for carpet outside these ranges.

No conclusion could be made regarding Cut/Loop combination pile carpets.

No conclusion could be made regarding loop pile carpets with pile fibre of other than wool or nylon (i.e. Polypropylene, polyester and triexta).

Where a conclusion on the expected SRV value for a carpet system could not be drawn, or where a tighter specification is required than shown here, the carpet must therefore be formally tested.

Ramps steeper than 1:14 of Class 2 to 9 buildings and 1:8 of Class 1 and 10 buildings are excluded from the conclusions of the assessment as these require a test P4 result.

Note that the above results were based on statistical analysis of carpet samples tested without underlay, which means these conclusions are constrained by this test condition. The test method does not require specimens to be tested with underlay.

This report refers to 102 test reports. the sponsors of the referenced tests have provided permission for CSIRO to prepare this report in the name of the assessment sponsor being the Carpet institute of Australia Limited (CIAL).

TERM OF VALIDITY: This report will expire on the 1st day of May 2025.



Infrastructure Technology

Manufacturing Flagship, Graham Road (PO Box 56), Highett, Victoria, Australia 3190

Telephone: 61 3 9252 6000 Facsimile: 61 3 9252 6244 Email: tiles@csiro.au Web: <http://www.cmse.csiro.au>

Registered Testing Authority - CSIRO

23 April 2015

Our Ref. EN13 / 2395 03/0212

TEST REPORT No. 7350.4

Requested by: Supertuft Pty Ltd
14 Princes Patrick Street
Richmond
Vic 3141
on (date): 14 April 2015
Manufacturer: Supertuft Pty Ltd
Product Desc.: Supertuft "Escape Twist" Quality

Sampling details:

Where: Delivered
Date: 14 April 2015
By whom: Courier
How (methods): N/A

The results reported relate only to the sample(s) tested and the information received. No responsibility is taken for the accuracy of the sampling unless it is done under our own supervision. CSIRO cannot accept responsibility for deviations in the manufactured quality and performance of the product. While CSIRO takes care in preparing the reports it provides to clients, it does not warrant that the information in this particular report will be free of errors or omissions or that it will be suitable for the client's purposes. CSIRO will not be responsible for the results of any actions taken by the client or any other person on the basis of the information contained in the report or any opinions expressed in it. The reproduction of this test report is only authorised in the form of a complete photographic facsimile. Our written approval is necessary for any partial reproduction.

This test report consists of 3 pages

SUMMARY OF SLIP RESISTANCE TESTS PERFORMED:

		Result	Class
AS 4586:2013	Slip resistance classification of new pedestrian surface materials Appendix A: WET Pendulum (Slider 96):		
	Mean SRV:	63	P5

In order to interpret the classifications, please refer to Standards Australia Handbook 198, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials, which recommends minimum classifications for a wide variety of locations.

It is important to realise that test results obtained on unused factory-fresh samples may not be directly applicable in service, where proprietary surface coatings, contamination, wear and subsequent cleaning all influence the behaviour of the pedestrian surface.



REPORT NO: 7350.4
ISSUE DATE: 23 April 2015
MANUFACTURER: Supertuft Pty Ltd
PRODUCT DESC: Supertuft "Escape Twist" Quality

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SLIP RESISTANCE CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIALS

WET PENDULUM TEST METHOD

TEST CARRIED OUT IN ACCORDANCE WITH
AS 4586:2013 (Appendix A)

Test Date: 23 April 2015

RESULTS:	Location:	Slip Resistance Laboratory	Slider used: 96 Conditioned with grade P400 paper, dry and Imperial Lapping Film Grade 3MIC, wet
	Sample:	Unfixed	
	Cleaning:	Dry el/static cloth	
	Temperature:	23.4°C	

Pendulum Friction Tester: Stanley (S/N: 0312, calibrated 03/06/2014)
Test conducted by: Khanh Ho

	Specimen				
	1	2	3	4	5
Last 3 swings (BPN)	63	62	63	64	65
	63	62	62	64	65
	63	62	63	64	64
Averages	63	62	63	64	65
Mean SRV :					63

CLASS :

P5

Where products are to be used in wet barefoot areas, it is more appropriate to test to Appendix C of AS 4586 (which is technically equivalent to DIN 51097).



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MANUFACTURER: Supertuft Pty Ltd
TILE DESC: Supertuft "Escape Twist" Quality

Page 3 of 3

Date and Place 23 April 2015, Highett, Vic

Name, Title and Digital Signature:

A digital signature in black ink, appearing as a stylized cursive script, is overlaid on a faint, circular grey watermark of the CSIRO logo.

KHANH HO
Technical Officer
Tel: 61 3 92526119
Fax: 61 3 92526244
Email: Khanh.Ho@csiro.au

TEST REPORT

Client : Supertuft Pty Ltd
14 Prince Patrick Street
Richmond VIC 3121

Test Number : 21-003148
Issue Date : 25/08/2021
Print Date : 25/08/2021

Sample Description Clients Ref : "Escape Twist (Whenever)"
Cut pile carpet tested on Dunlop Springtred Ultimate Underlay
Colour : Green
End Use : Flooring
Nominal Composition : Pure Wool
Nominal Mass per Unit Area/Density : 1630g/m²
Nominal Thickness : 10mm

AS ISO 9239.1-2003

Reaction to Fire Tests for Floorings. Determination of the Burning Behaviour using a Radiant Heat Source

Date of Sample Arrival 22-06-2021

Date Tested 24-08-2021

CHF Value	1	2	3	Mean
Length	5.5	5.5	5.5	5.5 kW/m ²
Width	5.8	-	-	- kW/m ²
Smoke Value	1	2	3	Mean
Length	51	41	39	44 %.min
Width	77	-	-	- %.min

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.

HF30 not reported as flame out time occurred before 30 minutes.

Results in accordance with section 8.4 have not been included in the report. They are available upon request.

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Australian Wool Testing Authority Ltd - trading as AWTA Product Testing
A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

Client : Supertuft Pty Ltd
14 Prince Patrick Street
Richmond VIC 3121

Test Number : 21-003148
Issue Date : 25/08/2021
Print Date : 25/08/2021

Each specimen was loose laid over Dunlop springtred ultimate Underlay and 6mm thick fibre reinforced cement board and clamped prior to testing.

247061

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Samples and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. This document shall not be reproduced except in full and shall be rendered void if amended or altered. This document, the names AWTA Product Testing and AWTA Ltd may be used in advertising providing the content and format of the advertisement have been approved by the Managing Director of AWTA Ltd.

A handwritten signature in blue ink, appearing to read 'Fiona McDonald'.

Fiona McDonald

APPROVED SIGNATORY



A handwritten signature in black ink, appearing to read 'Michael A. Jackson'.

MICHAEL A. JACKSON B.Sc.(Hons)
MANAGING DIRECTOR

Emission Test Certificate

Friday June 22nd, 2007

Supplier: Supertuft Pty Ltd (14 Prince Patrick Street, Richmond Victoria 3121)

Sample Description: Escape Twist (100% wool carpet)

Date Tested: June 2007

Test Method: ASTM D5116-97 "Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Material/Products".

Emission Data:

Green Building Council of Australia Green Star Office Design (IEQ-13 version 2) and Green Star Office Interiors (IEQ-11 version 1) Specification	Escape Twist
Total Volatile Organic Compound emission rate < 0.5 mg/m ² /hr (24 hours)	Total Volatile Organic Compound emission rate 0.4 mg/m ² /hr (24 hours)
Formaldehyde emission rate < 0.05 mg/m ² /hr (24 hours)	Formaldehyde emission rate <0.02 mg/m ² /hr (24 hours)
4-Phenylcyclohexene emission rate < 0.05 mg/m ² /hr (24 hours)	4-Phenylcyclohexene emission rate <0.02 mg/m ² /hr (24 hours)
Styrene emission rate < 0.4 mg/m ² /hr (24 hours)	Styrene emission rate <0.03 mg/m ² /hr (24 hours)



Dr. Vyt Garnys
PhD, BSc(Hons) AIMM, ARACI, ISIAQ
ACA, AIRAH, FMA
Managing Director and Principal Consultant



SUPERTUFT

MAINTENANCE GUIDE
AND WARRANTY



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MAINTENANCE GUIDE AND WARRANTY

1. Warranty Overview

Supertuft warrants that its carpets will be free from manufacturing defects under normal residential use for a period of 5 years from the installation date, subject to correct installation, maintenance, and use.

Statutory Guarantees:

This warranty is in addition to guarantees provided under the Australian Consumer Law, including rights to a refund, replacement, or repair for major failures.

2. Cleaning Requirements

- Regular vacuuming with a quality vacuum cleaner is required to remove surface dust and prevent material build-up.
- Do not use dry powder cleaning products, as residues may remain embedded and be difficult to remove.
- Refer to the Woolmark brochure, "WALK ON WOOL", for detailed cleaning guidelines.

3. Professional Cleaning

- Hot water extraction (steam cleaning) may be used if performed by a qualified operator.
- Always test an isolated area before full carpet cleaning to ensure satisfaction with the result.

4. Protection

- Use protective mats under furniture with castors or in areas of repetitive movement.
- Pile loss or damage from repetitive furniture movement is not covered by the warranty.



5. Installation

- Carpets must be installed according to relevant Australian Standards.
- For installation terms, conditions and warranties refer to your chosen retailer or installation company.
- Supertuft does not warranty installation by third parties.
- Supertuft does not manufacture underlay and does not warranty underlay.
- Please refer to underlay supplier for terms, conditions and warranties
- Rippling or uneven surfaces caused by furniture movement or heavy traffic should be corrected by re-stretching immediately to prevent damage. Damage to carpet due to rippling is not a manufacturing fault.

6. Shading (Permanent Pile Reversal / Watermarking)

- Shading occurs in all cut pile carpets (Velour and Twist styles) due to factors other than traffic.
- This is a natural property of cut pile carpets and not considered a manufacturing fault.
- Refer to the "Permanent Pile Reversal Shading" brochure by the Carpet Institute of Australia Limited
or
visit our website. www.supertuft.com.au

7. Heathered Yarn – Air Blended Colour

Heathered carpets are made by blending multiple dyed wool shades before tufting, creating tonal depth and texture.

Natural Variations Include:

- Fibre micron and staple length differences
- Seasonal and climatic influences
- Humidity and atmospheric conditions during dyeing
- Natural protein differences in fleece

Implications:

- Shade depth may vary between production runs
- Ratio of light to dark tones may shift
- Areas installed at different times may not perfectly match

These variations are authentic to natural wool and not a manufacturing fault.

8. Natural Fibre Composition & Vegetable Matter

- Wool is sourced from pasture-raised sheep and undergoes thorough cleaning.
- Minor traces of vegetable matter (VM), such as grass or seeds, may be present.
- Such traces do not affect performance or durability and are not considered a fault.

9. Wool Fuzzing, Shedding & Pilling

- Short fibres from the spinning and tufting process may rise to the surface post-installation.
- Minor fuzzing, pilling, or fibre accumulation is natural and reduces over time with traffic and vacuuming.
- Settling timelines depend on carpet use and vacuuming frequency.

10. Sample Representations & Low-Frequency Characteristics

- Samples provide an indication of colour, texture, and construction only.
- Characteristics occurring at <0.5% frequency may not appear in samples, including:
 - o Vegetable matter particles
 - o Minor tonal variations
 - o Individual fibre anomalies

Samples are indicative, not exhaustive.

11. Pile Flattening

- Furniture will cause indentations on pile. These pressure marks will be directly related to the weight of the furniture and the time that the furniture remains in the same position.
- Pile flattening is natural and not covered by the warranty.

12. Treatments

- For cleaning instructions please read the "WALK ON WOOL" brochure available from the Carpet Institute of Australia.
- Seek cleaning advice from professional carpet cleaners
- Only use products suitable for wool carpets

13. Guarantee

- Supertuft carpets are guaranteed for 5 years against manufacturing defects.
- Coverage is conditional on proper maintenance, installation, and usage per product recommendations.
- Check our website for product-specific usage recommendations.

14. Conditions for Warranty Validity

- Carpet must be installed according to AS/NZS 2455 by a qualified installer and over suitable underlay.
- Supertuft does not manufacture or warranty Underlays. Refer to the underlay manufacturer for terms, conditions and warranties.
- Proof of purchase, installation date, and professional cleaning records must be provided for claims.
- Warranty applies only to the original purchaser and is not transferable.

15. Exclusions

The warranty does not cover:

- Improper installation, misuse, accidents, unnatural wear, or damage from furniture without protective measures
- Shading, permanent pile reversal, shedding and pilling effects, fading due to UV exposure, vegetable matter, damage from insect attack (e.g., carpet beetle, moths) or wool natural characteristics
- Damage from cleaners or treatments not recommended by the Carpet Institute of Australia's "WALK ON WOOL" guidelines

16. Electrostatic Properties

- Discomfort from static discharge should not be expected under normal atmospheric conditions of approximately 45% Relative Humidity and 20 Celsius.
- If problems arise with static charge from a wool carpet this will be due to air conditioning systems causing unduly dry air and is not a manufacturing fault.

17. Insect Resistance

- Supertuft carpets are treated with the chemical permethrin to a "level of protection 4". This is the maximum protection allowed under current regulations.
- At level 4 the carpet is "INSECT RESIST TREATED" however our wool cannot be guaranteed to be "insect or moth proofed"
- Supertuft products are not guaranteed against insect attack.

18. Natural Characteristics

All qualitative characteristics of wool carpets — fuzzing, pilling, pile flattening, shading, vegetable matter, dye batch variation — are natural and not manufacturing defects.

19. Customer Responsibilities

To maintain warranty validity:

- Seek cleaning advice from professional carpet cleaners
- Only use products suitable for wool carpets
- Provide documentation of professional cleaning where required

20. Claim Process

- Contact Supertuft with proof of purchase, photos, and maintenance records.
- Supertuft may request inspection by an authorised representative.

On valid claims, Supertuft may:

- o Repair the affected area
- o Replace the carpet section
- o Provide a credit allowance toward new carpet

Depreciation for Wear Claims: Replacement value may be reduced depending on age and wear level.

21. Further Assistance

If you require any further assistance regarding maintenance, warranty claims, specifications, flammability reports, or quotations please contact us.

22. Acknowledgment

By purchasing and installing Supertuft carpet, the purchaser acknowledges understanding of these terms and the natural characteristics of wool carpets.



SUPERTUFT

www.supertuft.com.au
+61 03 9427 8600