# AWTA PRODUCT TESTING

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**

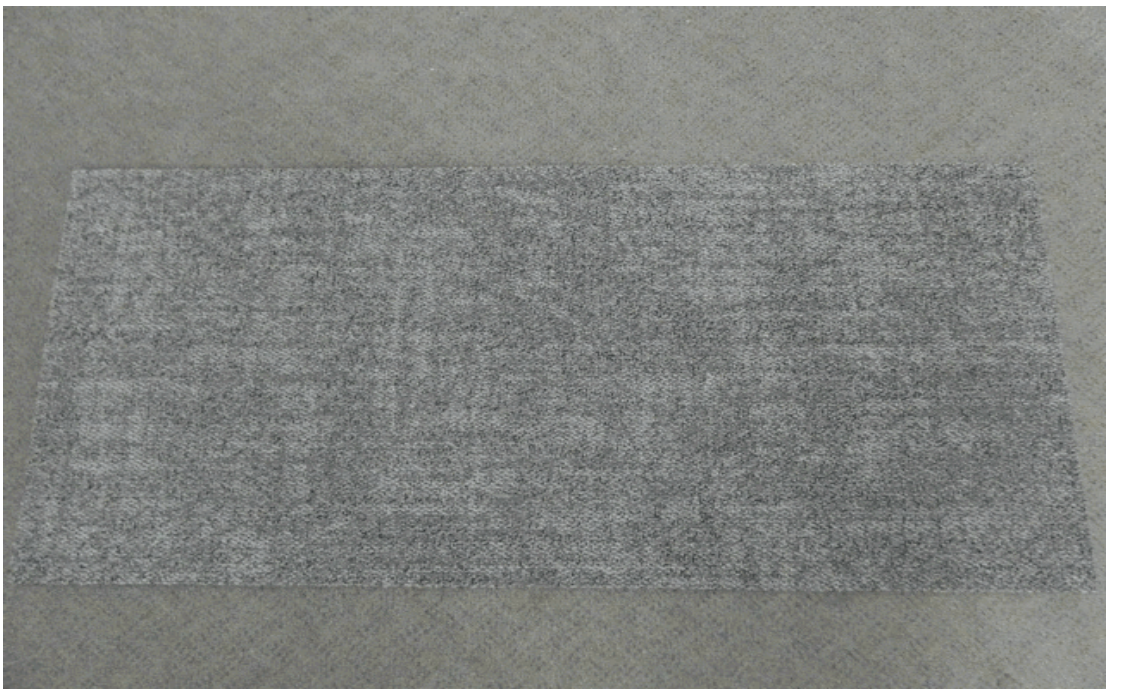
## TEST REPORT

**Client :** Inspired Floorcoverings
Unit 5, 33-37 College Street
Gladesville NSW 2111

**Test Number :** 23-001937
**Issue Date :** 9/06/2023
**Print Date :** 9/06/2023

**Sample Description**

Clients Ref : "Knit"
Multi level loop pile carpet tile
End Use : Flooring
Nominal Composition : Nylon 6 with PE non-woven felt backing
Nominal Mass per Unit Area/Density : Pile: 380g/m2



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Accreditation Numbers: 983, 985, and 1356

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Fiona McDonald
APPROVED SIGNATORY

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

0204/11/06

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**AS/NZS 2111.4-1996** **Surface Pile Mass at Standard Conditions**

| | | |
|---|---|---|
| Date of Testing | 30/05/2023 | |
| Corrected Surface Pile Mass, mean | 358 | g/m² |
| Standard Allowance | 5.75 | % |
| Specimen | | |
| 1 | 347 | g/m² |
| 2 | 355 | g/m² |
| 3 | 354 | g/m² |
| 4 | 356 | g/m² |
| Mean | 353 | g/m² |
| Coefficient of Variation | 1.2 | % |
| Moisture Regain of Pile | 4.2 | % |

Modified: Corrected for moisture regain only.

Based on nominal pile fibre content.

Apparatus: Band knife

The results are an estimation due to backing compound penetrating through the primary backing to the pile causing the backing pile interface not be clearly defined after shearing.



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**AS 2001.3.4-1995 Test A** — **Determination of Extractable Matter**

| | |
|---|---|
| Date of Testing | 06/06/2023 |
| Mean | 0.5 % |
| Solvent | Dichloromethane |

Testing conducted on yarn sample supplied by client as that used in carpet

**AS/NZS 2111.9-1996** — **Determination of Number of Tufts per unit Length**

| | |
|---|---|
| Date of Testing | 31/05/2023 |
| S (Parallel to Selvedge) (Stitches) | 50.3 / 100mm |
| G (Right Angles to Selvedge) (Gauge) | 39.6 / 100mm |

Results are for guidance purposes only due to difficulties in measuring the product as per method.



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**AS/NZS 2111.5-1996** **Determination of Pile Thickness above the backing - ACCS Modified**

Date of Testing 30/05/2023

| | 1 | 2 | 3 | 4 | Mean | |
|---|---|---|---|---|---|---|
| Total Thickness | 7.5 | 7.6 | 7.6 | 7.7 | 7.6 | mm |
| Backing Thickness | 5.0 | 5.0 | 5.0 | 4.9 | 5.0 | mm |
| Pile Thickness | 2.5 | 2.6 | 2.6 | 2.8 | 2.6 | mm |

Template used to facilitate thickness measurement.



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**TWC 251/247/284-2009** **Texture and Colour Change - Hexapod Tumbler Tester**

| | | | |
|---|---|---|---|
| Date of Testing | | 30/05/2023 | |
| After 1500 cycles | Texture | Colour | |
| Mean Grade | 4.5 | 4.5 | |
| Mean Worst Angle | 4.5 | 4.5 | |
| Pile Thickness Loss | | 0.4 | mm |
| Pile Thickness Loss | | 15.8 | % |
| After 8000 cycles | Texture | Colour | |
| Mean Grade | 2.5 | 4.0 | |
| Mean Worst Angle | 2.5 | 4.0 | |
| Pile Thickness Loss | | 1.3 | mm |
| Pile Thickness Loss | | 51.2 | % |
| Total Carpet Thickness | | 7.5 | mm |
| Total Pile Thickness | | 2.6 | mm |
| International Reference Scale | | E | |

Vacuum cleaned with upright cleaner at commencement of test, after 1500 cycles and where applicable every 2000 cycles. Thickness measurements taken after vacuuming.

Rating scale: 1 = Very severe change 5 = No change

NATA Accreditation does not cover the performance of TWC 284



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**AS 2404-1980**
**(ACCS Modified)**

**Fire Propogation Properties (AS 2111.18 Pill Test)**

Date of Testing 31/05/2023

Pass

Samples were conditioned in standard atmosphere of 20±2°C and 65±2% relative humidity prior to testing.



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