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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

m/s Artistic Carpet Manufacturers
P.O.Box 768 BULIMBA Q/LAND 4171
Attn: Mr Warren Richards

**TEST REPORT No. 161616**

**LABORATORY REF: P161616**

CUSTOMER REFERENCE

## 42 oz WELCOME COLLECTION

**Sample description as provided by customer**
Pile weight mass/unit area **42** oz/yd²
Construction Details **Woven** Secondary Backing **Jute Woven**
Style **Cut Pile**

Order No. **WR**
Pile Fibre Content **80% WOOL & 20% SYNTHETIC**
Colour **Charcoal/Grey**
Pile Height mm

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10 of the Building Code of Australia.

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date **Sep 2016** Test Date **20 Sep 2016**

## ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) AXILAY.

**The underlay used was AXILAY it was adhered to the substrate using ROBERTS 656 adhesive. The floor covering was adhered to the underlay using ROBERTS 95 adhesive.**

**Substrate: Non-Combustible**
**Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 8.6 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 8.6 kW/m²
Full tests carried out in the Length Direction

| SPECIMEN | Length #1 | Length #2 | Length #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 8.6 | 8.3 | 8.5 | 8.5 |
| Smoke Development Rate (%.min) | 89 | 54 | 91 | 78 |

*The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).*

## MEAN CRITICAL RADIANT FLUX 8.5 kW/m²

## MEAN SMOKE DEVELOPMENT RATE 78 percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a short distance.**

NATA
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M. B. Webb
Technical Manager

DATE: 20 Sep 2016

Performance & Approvals
Testing No. 15393
**Accredited for compliance with ISO/IEC 17025.**

**PAGE 1 of 2**

Clause 9 of AS/ISO 9239 Part 1

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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

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**TEST REPORT No. 161616**
**LABORATORY REF: P161616**

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**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

| Specimen | 50 | 60 | 110 | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 710 | 760 | 810 | 860 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 129 | 131 | 140 | 151 | 194 | / | | | | | | | | | | | | |
| 2 | 140 | 141 | 145 | 157 | 188 | / | | | | | | | | | | | | |
| 3 | 131 | 133 | 149 | 183 | 202 | | | | | | | | | | | | | |

**TESTS**

| Specimen | BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment | BURNING CHARACTERISTICS: Time To Burn Out (s) | SMOKE PRODUCTION: Maximum Light Attenuation (%) | SMOKE PRODUCTION: Smoke Development Rate (%.min) |
|---|---|---|---|---|
| Initial Test: **Width** | 230 | 799 | 28 | 78 |
| Specimen Tests: **Length** | | | | |
| 1 | 230 | 832 | 29 | 89 |
| 2 | 240 | 782 | 19 | 54 |
| 3 | 235 | 792 | 31 | 91 |
| Mean | 235 | 802 | 26 | 78 |

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M. B. Webb
Technical Manager

DATE: 20 Sep 2016

Performance and Approvals
Testing No. 15393
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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

m/s Artistic Carpet Manufacturers
P.O. BOX 768 BULIMBA Q/LAND 4171
Attn: Mr Warwick Richards

TEST REPORT No. 159373
LABORATORY REF: P159373

CUSTOMER REFERENCE
**WELCOME COLLECTION**

**Sample description as provided by customer**
Order No. **WR**
Mass/unit area **42** oz/yd²
Pile Fibre Content **80% WOOL & 20% SOLUTION DYED NYLON**
Construction Details **Woven** Secondary Backing **Woven**
Colour **Various**
Style **Patterned Cut Pile**
Pile Height *I* mm

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10 of the Building Code of Australia.

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date **Dec 2015** Test Date **19 Dec 2015**

## ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) MJS 7 mm

**The underlay used was MJS 7 mm it was adhered to the substrate using MJS Maxbond 2009 adhesive. The floor covering was adhered to the underlay using Maxbond 2010 adhesive.**

**Substrate: Non-Combustible**
**Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 9.0 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 8.6 kW/m²
Full tests carried out in the Width Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 8.6 | 9.0 | 8.3 | 8.6 |
| Smoke Development Rate (%.min) | 45 | 40 | 50 | 45 |

*The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).*

**MEAN CRITICAL RADIANT FLUX 8.6 kW/m²**

**MEAN SMOKE DEVELOPMENT RATE** 45 percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a very short distance.**

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M. B. Webb
Technical Manager
DATE: 19 Dec 2015
Performance & Approvals
Testing No. 15393
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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

**TEST REPORT No. 159373**
**LABORATORY REF: P159373**

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**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

| Specimen | 50 | 60 | 110 | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 710 | 760 | 810 | 860 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 130 | 131 | 145 | 152 | 158 | / | | | | | | | | | | | | |
| 2 | 142 | 143 | 152 | 178 | 215 | / | | | | | | | | | | | | |
| 3 | 141 | 142 | 154 | 164 | 176 | / | | | | | | | | | | | | |

**TESTS**

| Specimen | BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment | BURNING CHARACTERISTICS: Time To Burn Out (s) | SMOKE PRODUCTION: Maximum Light Attenuation (%) | SMOKE PRODUCTION: Smoke Development Rate (%.min) |
|---|---|---|---|---|
| Initial Test: **Length** | 210 | 734 | 18 | 35 |
| Specimen Tests: **Width** | | | | |
| 1 | 230 | 741 | 18 | 45 |
| 2 | 210 | 734 | 19 | 40 |
| 3 | 240 | 731 | 20 | 50 |
| Mean | 227 | 735 | 19 | 45 |

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M. B. Webb
Technical Manager

DATE: 19 Dec 2015

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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

m/s Artistic Carpet Manufacturers
P.O. BOX 768 BULIMBA Q/LAND 4171
Attn: Mr Warwick Richards

**TEST REPORT No. 159371**
**LABORATORY REF: P159371**

CUSTOMER REFERENCE
**WELCOME COLLECTION**

**Sample description as provided by customer**
Order No. **WR**
Mass/unit area **42** oz/yd²
Pile Fibre Content **80% WOOL & 20% SOLUTION DYED NYLON**
Construction Details **Woven** Secondary Backing **WOVEN**
Colour **Various**
Style **Patterned Cut Pile**
Pile Height / mm

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10 of the Building Code of Australia.

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date **Dec 2015** Test Date **24 Dec 2015**

## ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) DUNLOP DB7

**The underlay used was DUNLOP DB7 it was adhered to the substrate using DUNLOP PRIME & PEEL adhesive. The floor covering was adhered to the underlay using DUNLOP ULTRA BOND adhesive.**

**Substrate: Non-Combustible**
**Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 9.4 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 8.6 kW/m²
Full tests carried out in the Width Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 8.6 | 8.6 | 9.0 | 8.7 |
| Smoke Development Rate (%.min) | 63 | 42 | 48 | 51 |

*The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).*

**MEAN CRITICAL RADIANT FLUX 8.7 kW/m²**

**MEAN SMOKE DEVELOPMENT RATE** 51 percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a short distance.**

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M. B. Webb
Technical Manager
DATE: 24 Dec 2015
Performance & Approvals
Testing No. 15393
Accredited for compliance with ISO/IEC 17025.

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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

**TEST REPORT No. 159371**
**LABORATORY REF: P159371**

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**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

| Specimen | 50 | 60 | 110 | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 710 | 760 | 810 | 860 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 135 | 136 | 150 | 168 | 203 | / | | | | | | | | | | | | |
| 2 | 140 | 141 | 151 | 154 | 175 | / | | | | | | | | | | | | |
| 3 | 129 | 130 | 137 | 175 | 185 | / | | | | | | | | | | | | |

**TESTS**

| Specimen | BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment | BURNING CHARACTERISTICS: Time To Burn Out (s) | SMOKE PRODUCTION: Maximum Light Attenuation (%) | SMOKE PRODUCTION: Smoke Development Rate (%.min) |
|---|---|---|---|---|
| Initial Test: **Length** | 190 | 743 | 16 | 43 |
| Specimen Tests: **Width** | | | | |
| 1 | 230 | 744 | 19 | 63 |
| 2 | 230 | 746 | 16 | 42 |
| 3 | 210 | 724 | 19 | 48 |
| **Mean** | 223 | 738 | 18 | 51 |

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M. B. Webb
Technical Manager

DATE: 24 Dec 2015

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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

m/s Artistic Carpet Manufacturers
P.O. BOX 768 BULIMBA Q/LAND 4171
Attn: Mr Warwick Richards

TEST REPORT No. 159370
LABORATORY REF: P159370

CUSTOMER REFERENCE
**WELCOME COLLECTION**

Sample description as provided by customer
Order No. **WR**
Mass/unit area **42** oz/yd²
Pile Fibre Content **80% WOOL & 20% SOLUTION DYED NYLON**
Construction Details **Woven** Secondary Backing **Woven**
Colour **Various**
Style **Patterned Cut Pile**
Pile Height / mm

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10 of the Building Code of Australia.

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date **Dec 2015** Test Date **30/12/2015**

## ASSEMBLY SYSTEM: OVER UNDERLAY DUNLOP EXCELLAY

**The UNDERLAY used was DUNLOP EXCELLAY.**

**Substrate: Non-Combustible**
**Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 8.6 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 8.7 kW/m²
Full tests carried out in the Length Direction

| SPECIMEN | Length #1 | Length #2 | Length #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 8.6 | 8.3 | 7.8 | 8.2 |
| Smoke Development Rate (%.min) | 70 | 69 | 71 | 70 |

*The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).*

**MEAN CRITICAL RADIANT FLUX 8.2 kW/m²**

**MEAN SMOKE DEVELOPMENT RATE** 70 percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a short distance.**

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M. B. Webb
Technical Manager
DATE: 30/12/2015
Performance & Approvals
Testing No. 15393
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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

**TEST REPORT No. 159370**
**LABORATORY REF: P159370**

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**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

| Specimen | 50 | 60 | 110 | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 710 | 760 | 810 | 860 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 126 | 127 | 133 | 189 | 205 | | | | | | | | | | | | | |
| 2 | 127 | 128 | 135 | 169 | 210 | | | | | | | | | | | | | |
| 3 | 130 | 131 | 134 | 171 | 195 | 228 | | | | | | | | | | | | |

**TESTS**

| Specimen | BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment | BURNING CHARACTERISTICS: Time To Burn Out (s) | SMOKE PRODUCTION: Maximum Light Attenuation (%) | SMOKE PRODUCTION: Smoke Development Rate (%.min) |
|---|---|---|---|---|
| Initial Test: **Width** | 225 | 736 | 22 | 71 |
| Specimen Tests: **Length** | | | | |
| 1 | 230 | 742 | 26 | 70 |
| 2 | 240 | 763 | 28 | 69 |
| 3 | 265 | 772 | 29 | 71 |
| Mean | 245 | 759 | 28 | 70 |

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M. B. Webb
Technical Manager

DATE: 30/12/2015

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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

m/s Artistic Carpet Manufacturers
P.O. BOX 768 BULIMBA Q/LAND 4171
Attn: Mr Warwick Richards

**TEST REPORT No. 159372**
**LABORATORY REF: P159372**

CUSTOMER REFERENCE
## WELCOME COLLECTION

**Sample description as provided by customer** Order No. **WR**
Mass/unit area **42** oz/yd² Pile Fibre Content **80% WOOL & 20% SOLUTION DYED NYLON**
Construction Details **Woven** Secondary Backing **Woven** Colour **Various**
Style **Patterned Cut Pile** Pile Height / mm

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10 of the Building Code of Australia.

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date **Dec 2015** Test Date **29 Dec 2015**

## ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

**The floor covering was directly stuck to the substrate using ROBERTS 95 adhesive.**

**Substrate: Non-Combustible**
**Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 8.6 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 8.1 kW/m²
Full tests carried out in the Width Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 8.1 | 7.8 | 8.1 | 8.0 |
| Smoke Development Rate (%.min) | 14 | 13 | 13 | 13 |

*The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).*

## MEAN CRITICAL RADIANT FLUX 8.0 kW/m²

## MEAN SMOKE DEVELOPMENT RATE 13 percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a short distance.**

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 29 Dec 2015

Performance & Approvals
Testing No. 15393
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**PAGE 1 of 2**

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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

**TEST REPORT No. 159372**
**LABORATORY REF: P159372**

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**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

| Specimen | 50 | 60 | 110 | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 710 | 760 | 810 | 860 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 198 | 200 | 205 | 210 | 214 | / | | | | | | | | | | | | |
| 2 | 134 | 135 | 139 | 148 | 190 | 720 | / | | | | | | | | | | | |
| 3 | 128 | 129 | 153 | 212 | 302 | / | | | | | | | | | | | | |

**TESTS**

| Specimen | BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment | BURNING CHARACTERISTICS: Time To Burn Out (s) | SMOKE PRODUCTION: Maximum Light Attenuation (%) | SMOKE PRODUCTION: Smoke Development Rate (%.min) |
|---|---|---|---|---|
| Initial Test: **Length** | 230 | 742 | 15 | 7 |
| Specimen Tests: **Width** | | | | |
| 1 | 250 | 745 | 22 | 14 |
| 2 | 265 | 730 | 20 | 13 |
| 3 | 250 | 724 | 20 | 13 |
| Mean | 255 | 733 | 21 | 13 |

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M. B. Webb
Technical Manager

DATE: 29 Dec 2015

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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

M/S Artistic Carpets Attn Mr Warren Richards
PO BOX 768
Bulimba QLD 4171

TEST REPORT No. 125579
LABORATORY REF: P125579

CUSTOMER REFERENCE

**ARTISTIC CARPETS 80/20 34oz AXMINSTER**

Sample description as provided by customer
Mass/unit area 34 oz/yd²
Construction Details Woven Secondary Backing Axminster
Style Cut Pile

Order No. WR
Pile Fibre Content 80% WOOL & 20% NYLON
Colour Blue/Grey
Pile Height / mm

**TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source.** ***As required by specification C1.10a of the Building Code of Australia.***

*Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.*

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date May 2012 Test Date 18 May 2012

## ASSEMBLY SYSTEM: OVER UNDERLAY Cextreme

The UNDERLAY used was Cextreme.

Substrate: Non-Combustible
Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 7.3 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 7.1 kW/m²
Full tests carried out in the Width Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 7.1 | 8.1 | 7.9 | 7.7 |
| Smoke Development Rate (%.min) | 64 | 55 | 63 | 61 |

*The values quoted below are as required by Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).*

**MEAN CRITICAL RADIANT FLUX 7.7 kW/m²**

**MEAN SMOKE DEVELOPMENT RATE 61 percent-minutes**

OBSERVATIONS: **The samples shrunk away from the heat source, ignited and burnt a short distance.**

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 18 May 2012

Measurement Science & Technology No. 15393
Accredited for compliance with ISO/IEC 17025.

PAGE 1 of 2

This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

The values on Page 2 have no relevance to the Code.

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ARTISTIC FLOORING

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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

**TEST REPORT No. 125579**
**LABORATORY REF: P125579**

THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA



**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

| Specimen | 50 | 60 | 110 | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 710 | 760 | 810 | 860 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 123 | 125 | 132 | 139 | 148 | 161 | / | | | | | | | | | | | |
| 2 | 126 | 127 | 130 | 143 | 169 | / | | | | | | | | | | | | |
| 3 | 123 | 124 | 130 | 140 | 156 | 176 | / | | | | | | | | | | | |

| TESTS | SMOKE PRODUCTION | | BURNING CHARACTERISTICS | |
|---|---|---|---|---|
| Specimen | Maximum Light Attenuation (%) | Smoke Development Rate (%.min) | Burn Length (mm) at Flame Out/ Extinguishment | Time To Burn Out (s) |
| Initial Test: **Length** | 24 | 58 | 290 | 724 |
| Specimen Tests: **Width** | | | | |
| 1 | 25 | 64 | 300 | 751 |
| 2 | 22 | 55 | 250 | 720 |
| 3 | 20 | 63 | 260 | 726 |
| Mean | 22 | 61 | 270 | 732 |

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M. B. Webb
Technical Manager

DATE: 18 May 2012

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*The laboratory does not allow the use of this page of the report without the use of page 1.*
This page alone has no validity under specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
2004 0409 2372 18 May 2012

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# FIRE RATING TEST RESULTS
# WELCOME COLLECTION

APL

m/s Artistic Carpet Manufacturers
P.O. BOX 768 BULIMBA Q/LAND 4171
Attn: Mr Warwick Richards

**TEST REPORT No. 169772**
**LABORATORY REF: P169772**

CUSTOMER REFERENCE

## 32oz WELCOME COLLECTION

**Sample description as provided by customer**
Mass/unit area **32** oz/yd²
Construction Details **Woven** Secondary Backing **Jute Woven**
Style **Cut Pile**

Order No. **WR**
Pile Fibre Content **80% WOOL & 20% SYNTHETIC**
Colour **Charcoal/Grey**
Pile Height mm

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10 of the Building Code of Australia.

The test values relate to the behaviour of the test specimens of a product under the particular conditions of the test, they are not intended to be the sole criterion for assessing the potential fire hazard of the product. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date **Apr 2016** Test Date **23 Apr 2016**

## ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) AXILAY.

**The underlay used was AXILAY it was adhered to the substrate using Roberts 95 adhesive. The floor covering was adhered to the underlay using ROBERTS 95 adhesive.**

**Substrate: Non-Combustible**
**Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux 9.0 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 9.2 kW/m²
Full tests carried out in the Length Direction

| SPECIMEN | Length #1 | Length #2 | Length #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 9.0 | 8.8 | 8.6 | 8.8 |
| Smoke Development Rate (%.min) | 49 | 45 | 43 | 46 |

*The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).*

## MEAN CRITICAL RADIANT FLUX 8.8 kW/m²

## MEAN SMOKE DEVELOPMENT RATE 46 percent-minutes

OBSERVATIONS: **The samples singed, ignited and burnt a short distance.**

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 23 Apr 2016

Performance & Approvals
Testing No. 15393
**Accredited for compliance with ISO/IEC 17025.**

**PAGE 1 of 2**

Clause 9 of AS/ISO 9239 Part 1

The values on Page 2 have no relevance to the Code.

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**TEST REPORT No. 169772**
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**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

| Specimen | 50 | 60 | 110 | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 710 | 760 | 810 | 860 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 133 | 134 | 168 | 175 | 182 | / | | | | | | | | | | | | |
| 2 | 131 | 132 | 139 | 153 | 171 | / | | | | | | | | | | | | |
| 3 | 133 | 134 | 142 | 148 | 163 | / | | | | | | | | | | | | |

**TESTS**

| Specimen | BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment | BURNING CHARACTERISTICS: Time To Burn Out (s) | SMOKE PRODUCTION: Maximum Light Attenuation (%) | SMOKE PRODUCTION: Smoke Development Rate (%.min) |
|---|---|---|---|---|
| Initial Test: **Width** | 200 | 733 | 21 | 49 |
| Specimen Tests: **Length** | | | | |
| 1 | 210 | 722 | 17 | 49 |
| 2 | 220 | 725 | 17 | 45 |
| 3 | 230 | 723 | 14 | 43 |
| Mean | 220 | 723 | 16 | 46 |

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M. B. Webb
Technical Manager

DATE: 23 Apr 2016

Performance and Approvals Testing No. 15393
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2004 04 09 2238 23 April 2016

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