

AWTA PRODUCT TESTING

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

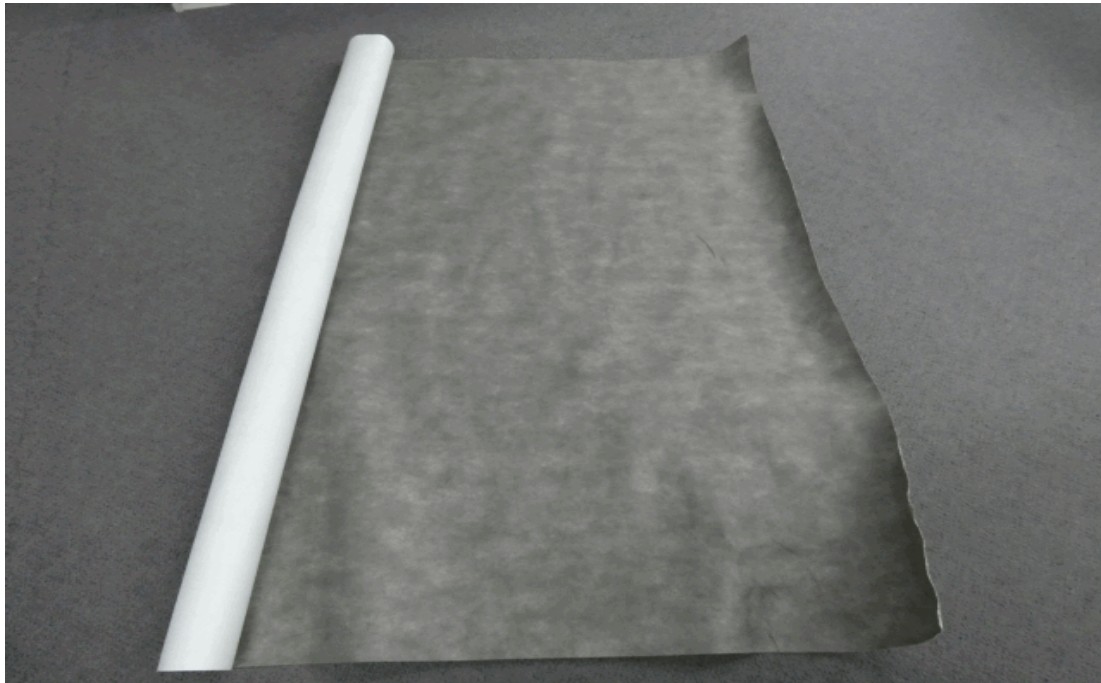
1st Floor, 191 Racecourse Road, Flemington, Victoria 3031
P.O Box 240, North Melbourne, Victoria 3051
Phone (03) 9371 2400

TEST REPORT

Client : Fairview Architectural Pty Ltd
18-20 Donald Street
Lithgow NSW 2790

Test Number : 24-000811
Issue Date : 6/03/2024
Print Date : 12/03/2024

Sample Description Clients Ref : "Vitrafix Wall Sarking"
Non-woven building membrane material
Colour : Grey/White reverse
End Use : Flexible sheets for waterproofing (Sarking)
Nominal Composition : Polypropylene
Nominal Mass per Unit Area/Density : 115g/m2
Nominal Thickness : 0.50mm



317087

69552

Page 1 of 9

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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.



Fiona McDonald

APPROVED SIGNATORY

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

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 : Fairview Architectural Pty Ltd
18-20 Donald Street
Lithgow NSW 2790

Test Number : 24-000811
Issue Date : 6/03/2024
Print Date : 12/03/2024

^ AS/NZS 4201.1-1994

Resistance to Dry Delamination

Date of Testing 21/11/2023
Resistance to Dry Delamination Pass

Compliance to AS/NZS 4200.1:2017, Clause 5.2.1.1
Requirement: Pass
Complies
^ - NATA Accreditation does not cover the performance of this test.

^ AS/NZS 4201.2-1994

Resistance to Wet Delamination

Date of Testing 21/11/2023
Resistance to Wet Delamination Pass

Compliance to AS/NZS 4200.1:2017, Clause 5.2.1.2
Requirement: Pass
Complies
^ - NATA Accreditation does not cover the performance of this test.

^ AS/NZS 4201.3-1994

Pliable Building Membranes and Underlays - Shrinkage

Date of Testing 05/12/2023
Average Percentage Shrinkage 0.1 %

Compliance to AS/NZS 4200.1:2017, Clause 5.2.2
Requirement: The shrinkage shall not be greater than 0.5%
Complies
^ - NATA Accreditation does not cover the performance of this test.

317087

69552

Page 2 of 9

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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.



Fiona McDonald

APPROVED SIGNATORY

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

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 : Fairview Architectural Pty Ltd
18-20 Donald Street
Lithgow NSW 2790

Test Number : 24-000811
Issue Date : 6/03/2024
Print Date : 12/03/2024

^ AS/NZS 4201.4-1994

Pliable Building Membranes and Underlays - Resistance to Water Penetration

Date of Testing 01/12/2023

Face to Solution Grey Face Pass

Face to Solution White Face Pass

Compliance to AS/NZS 4200.1-2017 Water Barrier

Clause 5.3.5 - Water Control Classification

^ - NATA Accreditation does not cover the performance of this test.

^ AS/NZS 4201.6-1994

Pliable Building Membranes and Underlays - Surface Water Absorbency

Date of Testing 21/11/2023

Average Surface Water Absorbency 92.8 g/m²

Compliance to AS/NZS 4200.1-2017 Clause A5 Low

Absorbency Classification

^ - NATA Accreditation does not cover the performance of this test.

317087

69552

Page 3 of 9

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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.



Fiona McDonald

APPROVED SIGNATORY

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

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 : Fairview Architectural Pty Ltd
18-20 Donald Street
Lithgow NSW 2790

Test Number : 24-000811
Issue Date : 6/03/2024
Print Date : 12/03/2024

ASTM E96/E96M-2022

Gravimetric Determination of Water Vapour Transmission Rate of Materials Water Method

Date of Testing	05/12/2023
Dish Diameter	86.0 mm
Temperature Mean	24.6 °C
Humidity Mean	47.2 %
Face to Water Tested	Grey Face
Specimen	
1	28.104 g/h.m ²
2	31.412 g/h.m ²
3	28.499 g/h.m ²
Mean Water Vapour Transmission	29.338 g/h.m ²
Specimen	
1	4.68 10 ⁻⁶ g/Pa.m ² .s
2	5.24 10 ⁻⁶ g/Pa.m ² .s
3	4.75 10 ⁻⁶ g/Pa.m ² .s
Mean Permeance	4.89 10 ⁻⁶ g/Pa.m ² .s
Specimen	
1	674.491 g/24h.m ²
2	753.891 g/24h.m ²
3	683.970 g/24h.m ²
Mean Water Vapour Transmission	704.117 g/24h.m ²
Specimen	
1	4.678 µg/N.s
2	5.228 µg/N.s
3	4.743 µg/N.s
Mean Permeance	4.883 µg/N.s

317087

69552

Page 4 of 9

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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.



Fiona McDonald

APPROVED SIGNATORY

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

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 : Fairview Architectural Pty Ltd
18-20 Donald Street
Lithgow NSW 2790

Test Number : 24-000811
Issue Date : 6/03/2024
Print Date : 12/03/2024

Specimen	
1	0.2 MN.s/g
2	0.2 MN.s/g
3	0.2 MN.s/g
Mean Water Vapour Resistance	0.2 MN.s/g
Compliance to AS/NZS 4200.1-2017 Clause 5.3.4 Water Vapour	Class 4

Hot melt glue sealant used.

317087

69552

Page 5 of 9

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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.



Fiona McDonald

APPROVED SIGNATORY

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

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 : Fairview Architectural Pty Ltd
18-20 Donald Street
Lithgow NSW 2790

Test Number : 24-000811
Issue Date : 6/03/2024
Print Date : 12/03/2024

AS 1301.448s-2019

Tensile Strength of Paper and Paperboard (Constant Rate of Elongation Method)

Date of Testing 15/11/2023
Equipment Instron Model Number 5566
Test Length 180 mm
Cross Head Speed 20 mm/min
Specimen Width 50 mm

	Machine Direction	Lateral Direction
Mean	4.1	2.8 kN/m
Standard Deviation	0.1	0.1 kN/m
No. of Specimens tested	10	10

Compliance to AS/NZS 4200.1-2017 Table 1 Light Wall
Tensile Strength - Duty Classification

Test Conditions: Temperature 20±2°C, Relative humidity 65±3%

317087

69552

Page 6 of 9

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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.



Fiona McDonald

APPROVED SIGNATORY

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

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 : Fairview Architectural Pty Ltd
18-20 Donald Street
Lithgow NSW 2790

Test Number : 24-000811
Issue Date : 6/03/2024
Print Date : 12/03/2024

AS/NZS 4200.1-2017
Clause 5.3.2.3

Edge Tearing Resistance of Building Membranes and Underlays

Date of Testing 24/11/2023

Specimen Width 25 mm

Beam Thickness 1.27 mm

	Machine Direction	Lateral Direction
Mean	214	154 N
Coefficient of Variation	4.9	4.9 %

Compliance to AS/NZS 4200.1-2017
Clause 5.3.2.3
Edge Tear Resistance
- Duty Classification
Extra Heavy

317087

69552

Page 7 of 9

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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.



Fiona McDonald

APPROVED SIGNATORY

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

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 : Fairview Architectural Pty Ltd
18-20 Donald Street
Lithgow NSW 2790

Test Number : 24-000811
Issue Date : 6/03/2024
Print Date : 12/03/2024

AS 2001.2.19-1988

Methods of Test for Textiles - Physical Tests Determination of Bursting Force of Textile Fabrics - Ball Burst Method

Date of Testing 15/11/2023
Steel Ball Diameter 25.0 mm
Force Applied to Face
State of Tested Specimen Conditioned

Specimen	
1	302 N
2	272 N
3	269 N
4	296 N
5	322 N
Mean	292 N

Compliance to AS/NZS 4200.1-2017, Clause 5.3.2.4 - Bursting Strength
Classification: Light Wall

Modification of AS 2001.2.19-1988: Test speed of 50mm/min per AS/NZS 4200.1-2017

317087

69552

Page 8 of 9

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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.



Fiona McDonald

APPROVED SIGNATORY

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

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 : Fairview Architectural Pty Ltd
18-20 Donald Street
Lithgow NSW 2790

Test Number : 24-000811
Issue Date : 6/03/2024
Print Date : 12/03/2024

^ AS/NZS 4201.5-1994

Emittance

Date of Testing		12/12/2023
Surface tested	White Face	Grey Face
Infrared Reflectance Measured	0.24	0.22
Near-Normal Emittance Value Calculated	0.76	0.78
Number of measurements	5	5

ASNZS 4200.1-2017 Class IR Non-Reflective IR Non-Reflective

Near-Normal Infrared reflectance measurements were performed in accordance with ASTM E408, Method A. A Gier Dunkle Instruments Infrared Reflectometer Model DB100 was utilized for the measurements.

Near-Normal Emittance for the clients specimens was calculated from Kirchhoffs Relationship where: $\rho + \alpha + \tau = 1$, $\alpha = \epsilon$

Since the specimens have no transmittance in the far infrared, the preceding equation reduces to: $\rho + \epsilon = 1$ and $1 - \rho = \epsilon$

Tested by DSET Laboratories - Phoenix, Arizona USA

^ - NATA Accreditation does not cover the performance of this test.

317087

69552

Page 9 of 9

© Australian Wool Testing Authority Ltd
Copyright - All Rights Reserved



Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Numbers: 983, 985, and 1356

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.



Fiona McDonald

APPROVED SIGNATORY

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