

TEST REPORT



ACCREDITED FOR
TECHNICAL
COMPETENCE

Accredited for compliance with ISO/IEC 17025 – Testing
20678

SUMMARY OF TESTS

AS4858 Requirements:

PROPERTY	METHOD	RESULT	ASSESSMENT CRITERIA	ASSESSMENT
Acceptance of Cyclic movement	AS4858 Appendix B	No failures observed	AS 4858 Appendix B Paragraph B4	PASS
Durability ¹ : Control Elongation at break	AS4858 Appendix A	704 %	AS 4858 Table 5.1	Class III
Durability ¹ : Control Tensile Strength		15.96 MPa		
Durability ¹ : Water Immersion Elongation at break		747%	AS 4858 Appendix A Table A1	PASS
Durability ¹ : Water immersion Tensile Strength		16.79 MPa		
Durability ¹ : Bleach Immersion Elongation at break		703 %		PASS
Durability ¹ : Bleach Immersion Tensile Strength		18.43 MPa		
Durability ¹ : Detergent Immersion Elongation at break		673 %		PASS
Durability ¹ : Detergent Immersion Tensile Strength		15.55 MPa		
Durability ¹ : Heat aging Elongation at break		739 %		PASS
Durability ¹ : Heat aging Tensile Strength		16.75 MPa		

"This report shall not be reproduced except in full without prior approval of XTec Gen Laboratories"

Report number
0108-1 AS4858

Issue Date
22/06/2021

Expiry Date
22/06/2024

TEST REPORT



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

Accredited for compliance with ISO/IEC 17025 – Testing
20678

Water Absorption	AS 3558.1 (with sample size modified to be 50mm x 50mm by the thickness used in practice).	0.19 %	AS 4858 Table 8.1	
Moisture vapour transmission rate	ASTM E96 Desiccant method	0.9 g/m ² /24 hours	AS 4858 Table 8.1	Additional testing as per AS4858.1 Table 8.1 (e) is not required to establish suitability for use over particleboard.
†Suitability for use over particleboard	AS4858 Appendix C	Test not performed	AS 4858 Appendix C Paragraph C5	Test not performed

¹Durability of membranes is a combined group of assessments as detailed in AS4858 Appendix A, Table A4.

†This symbol indicates tests for which XTecGen Laboratory was not NATA accredited for at time of testing.

“This report shall not be reproduced except in full without prior approval of XTec Gen Laboratories”

Report number
0108-1 AS4858

Issue Date
22/06/2021

Expiry Date
22/06/2024