

TEST REPORT



Accredited for compliance with ISO/IEC 17025 – Testing
20678

SUMMARY OF TESTS: Evaluation of ACTFLEX 906 WPU to AS/NZS 4858:2004

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	AS1145.3	517 %	AS 4858 Table 5.1	Class III
Durability ¹ : Control Tensile Strength		4.26 MPa		
Durability ¹ : Water Immersion Elongation at break	N/A	558 %	AS 4858 Table A1	PASS
Durability ¹ : Water immersion Tensile Strength		1.79 MPa		
Durability ¹ : Detergent Immersion Elongation at break		510%		
Durability ¹ : Detergent Immersion Tensile Strength		1.75MPa		
Durability ¹ : Heat aging Elongation at break	N/A	300 %	AS 4858 Table A1	PASS
Durability ¹ : Heat aging Tensile Strength		4.60 MPa		
Water Absorption	AS 3558.1 (with sample size modified to be	4.35%	AS 4858 Table 8.1	

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Report number
251-6 AS/NZS 4858:2004

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	<i>50mm x 50mm by the thickness used in practice).</i>			
Moisture vapour transmission rate	<i>ASTM E96 Desiccant method</i>	7.76g/m²/24 hours	<i>AS 4858 Table 8.1</i>	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	<i>AS4858 Appendix C</i>	Test not performed	<i>AS 4858 Appendix C Paragraph C5</i>	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.

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