

TEST REPORT



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20678

SUMMARY OF TESTS: Evaluation of ARDEX WPM002 to AS/NZS 4858:2004

AS4858 Requirements:

PROPERTY	METHOD	RESULT	ASSESSMENT CRITERIA	ASSESSMENT		
Acceptance of Cyclic movement	<i>AS4858 Appendix B</i>	No failures observed	<i>AS 4858 Appendix B Paragraph B4</i>	PASS		
Durability ¹ : Control Elongation at break	<i>AS1145.3</i>	<i>345 %</i>	<i>AS 4858 Table 5.1</i>	Class III		
Durability ¹ : Control Tensile Strength		<i>1.02 MPa</i>				
Durability ¹ : Water Immersion Elongation at break	<i>N/A</i>	<i>300 %</i>	<i>AS 4858 Table A1</i>	PASS		
Durability ¹ : Water immersion Tensile Strength		<i>0.34 MPa</i>				
Durability ¹ : Bleach Immersion Elongation at break		<i>675 %</i>		PASS		
Durability ¹ : Bleach Immersion Tensile Strength		<i>0.45 MPa</i>				
Durability ¹ : Detergent Immersion Elongation at break		<i>304 %</i>		PASS		
Durability ¹ : Detergent Immersion Tensile Strength		<i>0.30 MPa</i>				
Durability ¹ : Heat aging Elongation at break		<i>N/A</i>		<i>322 %</i>	<i>AS 4858 Table A1</i>	PASS

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Durability ¹ : Heat aging Tensile Strength		0.99 MPa		
Water Absorption	<i>AS 3558.1 (with sample size modified to be 50mm x 50mm by the thickness used in practice).</i>	4.78%	<i>AS 4858 Table 8.1</i>	State Result
Moisture vapour transmission rate	<i>ASTM E96 Desiccant method</i>	2.17g/m ² /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.

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

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