TEST REPORT

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20678

SUMMARY OF TESTS: Evaluation of Actflex 989 to AS/NZS 4858:2004

AS4858 Requirements:

PROPERTY	METHOD	RESULT	ASSESSMENT CRITERIA	ASSESSMENT
Durability[1]: Control Elongation at break	*AS1145.3*	***345%***	*AS 4858 Table 5.1*	**CLASS III**
Durability[1]: Control Tensile Strength		***1.52MPa***		
Durability[1]: Water Immersion Elongation at break	*N/A*	***341%***	*AS 4858 Table A1*	**PASS**
Durability[1]: Water immersion Tensile Strength		***0.46MPa***		
Durability[1]: Bleach Immersion Elongation at break		***333%***		**PASS**
Durability[1]: Bleach Immersion Tensile Strength		***0.46MPa***		
Durability[1]: Detergent Immersion Elongation at break		***329%***		**PASS**
Durability[1]: Detergent Immersion Tensile Strength		***0.44MPa***		
Durability[1]: Heat aging Elongation at break	*N/A*	***253%***	*AS 4858 Table A1*	PASS
Durability[1]: Heat aging Tensile Strength		***2.18MPa***		
Water Absorption	*AS 3558.1 (with sample size modified to be*	***1.77%***	*AS 4858 Table 8.1*	

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374-8 AS/NZS 4858:2004	**31/01/2025**	**30/01/2028**

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	50mm x 50mm by the thickness used in practice).			
Moisture vapour transmission rate	*ASTM E96 Desiccant method*	***0.90 g/m²/24 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.

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

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