

TEST REPORT



Accredited for compliance with ISO/IEC 17025 – Testing
20678

SUMMARY OF TESTS: *Evaluation of ARDEX WPM 909 to AS 4654.1-2012.*

PROPERTY	METHOD	RESULT	ASSESSMENT CRITERIA	ASSESSMENT
Abrasion Resistance: non-trafficable	AS 1580.403.2	0.028 mm	AS 4654.1 Paragraph 2.3	Meets requirement for non-trafficable membrane
Abrasion Resistance: trafficable	AS 1580.403.2	0.105mm	AS 4654.1 Paragraph 2.3	Meets requirement for pedestrian traffic.
Bond Strength	ASTM C794	24.65 N	State result	
Acceptance of Cyclic movement	AS 4654.1 Appendix B	Failure not observed	AS 4654.1 Appendix B, Paragraph B4	PASS
Durability: Control Elongation at Break	AS1145.3	164 %	AS 4654.1 Appendix A, Table A1	CLASS II
Durability: Control Tensile Strength		5.03 MPa	State result	
Durability ¹ : Water Immersion Elongation at Break	AS 4654.1 Appendix A	148 %	AS 4654.1 Appendix A, Table A4	PASS
Durability: Water Immersion Tensile Strength		0.32 MPa	State result	
Durability: Detergent Immersion Elongation at Break		151 %	AS 4654.1 Appendix A, Table A4	PASS
Durability: Detergent Immersion Tensile Strength		0.35 MPa	State result	
Durability: Heat Aging Elongation at Break	N/A	194 %	AS 4654.1 Appendix A, Table A4	PASS
Durability: Heat Aging Tensile Strength		3.71 MPa	State result	

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

Report number
215-4 AS4654.1-2012

Issue Date
07/11/2023

Expiry Date
07/11/2026

TEST REPORT



Accredited for compliance with ISO/IEC 17025 – Testing
20678

Durability: UV Exposure Elongation at Break	<i>UV Lamp</i>	97%	<i>AS 4654.1 Appendix A, Table A4</i>	PASS
Durability: UV Exposure Tensile Strength		4.35 MPa	<i>State result</i>	
Temperature Resistance	<i>AMTM004</i>	1.80 g/m²/24 hours	<i>State result</i>	
Water Vapour Transmission	<i>ASTM E96</i>	1.41 g/m²/24 hours	<i>State result</i>	

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

Report number 215-4 AS4654.1-2012	Issue Date 07/11/2023	Expiry Date 07/11/2026
---	---------------------------------	----------------------------------