

TEST REPORT



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

Accredited for compliance with ISO/IEC 17025 – Testing
20678

SUMMARY OF TESTS (Liquid Rubber DIY)

AS4654.1 Requirements:

PROPERTY	METHOD	RESULT	ASSESSMENT CRITERIA	ASSESSMENT
Abrasion Resistance: Non-Trafficable	AS 1580.403.2	0.102 mm	AS 4654.1 Paragraph 2.3	Meets requirement for non-trafficable membrane
Abrasion Resistance: Trafficable	AS 1580.403.2	0.276 mm	AS 4654.1 Paragraph 2.3	Does not meet requirement for regular, occasional or pedestrian traffic
Bond Strength	ASTM C794	115.49 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	AS 4654.1 Appendix A	$\alpha > 1800\%$	AS 4654.1 Appendix A, Table A1	CLASS III
Durability: Control Tensile Strength		0.16 MPa	State result	
Durability: Water Immersion Elongation at Break		$> 1800\%$	AS 4654.1 Appendix A, Table A4	PASS
Durability: Water Immersion Tensile Strength		0.04 MPa	State result	
Durability: Detergent Immersion Elongation at Break		$> 1800\%$	AS 4654.1 Appendix A, Table A4	PASS
Durability: Detergent Immersion Tensile Strength		0.04 MPa	State result	
Durability: Heat Aging Elongation at Break		$> 1800\%$	AS 4654.1 Appendix A, Table A4	PASS
Durability: Heat Aging Tensile Strength		0.67 MPa	State result	

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

Report number 0114-2 AS 4654.1	Issue Date 01/09/2021	Expiry Date 01/09/2024
--	---------------------------------	----------------------------------

TEST REPORT



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

Accredited for compliance with ISO/IEC 17025 – Testing
20678

Durability: Ultraviolet Resistance Elongation at Break		>1800%	AS 4654.1 Appendix A, Table A4	PASS
Durability: Ultraviolet Resistance Tensile Strength		0.37 MPa	State result	
Temperature Resistance: Water Vapour Transmission	AMTM004	0.41 g/m ² /24 hours	State result	
Water Vapour Transmission	ASTM E96	-0.22 g/m ² /24 hours	State result	

^α1800% is the maximum capable extension of the UTM used for testing these samples.

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

Report number 0114-2 AS 4654.1	Issue Date 01/09/2021	Expiry Date 01/09/2024
--	---------------------------------	----------------------------------