



BRANZ Ltd

Client Number 38

Private Bag 50908, Porirua, 5240
1222 Moonshine Road, RD 1, Porirua, 5381

Telephone 04 237-1170

www.branz.org.nz

Authorised Representative

Mr Keith Clark
Quality and Environment Manager

Programme

Mechanical Testing Laboratory

Accreditation Number 918

Initial Accreditation Date 10 September 2004

Conformance Standard

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories

Laboratory Services Summary

4.41	Windows, Doors and Building Envelopes
4.65	Rubber and Rubber Products
4.73	Adhesives and Sealants

Key Technical Personnel

Mr John Burgess	4.41
Mr Rob Causer	4.41
Sheng-Huei Huang	4.65 (selected)
Ms Holly Moody	4.65, 4.73
Roger Stanford	4.41, 4.73
Dr Cameron Tristram	4.65

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4.41 Windows, Doors and Building Envelopes

(a) Windows and Doors

The following tests in accordance with NZS 4211:2008

Appendix A Sash Torsional test

The test requirements defined in NZS 4211:2008 and AS 2047:2014 in accordance with the following test methods of AS/NZS 4420.1:2016

Clause 3	Deflection test
Clause 4	Operating force test
Clause 5	Air infiltration test
Clause 6	Water penetration resistance test
Clause 7	Ultimate strength test

(b) Facades and Curtain Walls

The following tests in accordance with AS/NZS 4284:2008

Clause 8.2	Preliminary tests
Clause 8.3	Structural test at Serviceability Limit State
Clause 8.4	Air infiltration test
Clause 8.5	Water penetration by static pressure (and as modified by E2/VM1 (7/04))
Clause 8.6	Water penetration by cyclic pressure (and as modified by E2/VM1 (7/04))

The following tests in accordance with the Australian Building Codes Board (ABCB); testing as per verification methods FV1 and V2.2.1:

Weatherproofing tests

4.65 Rubber and Rubber Products

The following tests on waterproofing membranes in accordance with methods indicated as required by AS 4654.1:2012 and AS/NZS 4858:2004

AS 1145.1:2001	Determination of tensile properties of plastics materials, Part 1: General principles (excluding elastic modulus)
AS 1145.3:2001	Determination of tensile properties of plastics materials, Part 3: Test conditions for films and sheets (excluding elastic modulus)
AS 1580.403.2:2006	Paints and related materials – Methods of test, Method 403.2: Abrasion resistance
AS 3558.1:1999	Methods of testing plastics and composite materials sanitary plumbing fixtures, Method 1: Determination of water absorption properties
AS 4654.1:2012, Appendix A	Waterproofing membranes for external above-ground use, Part 1: Materials, Appendix A: Classification and properties (Durability)

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AS 4654.1:2012, Appendix B	Waterproofing membranes for external above-ground use, Part 1: Materials, Assessment of resistance of waterproofing membranes to cyclic movement (CSIRO joint moving test)
In-house, based on the requirements of AS 4654.1:2012	Temperature resistance
AS/NZS 4858:2004, Appendix A	Wet area membranes, Assessment of durability of waterproofing membranes
AS/NZS 4858:2004, Appendix B	Wet area membranes, Assessment of resistance of waterproofing membranes to cyclic movement (CSIRO joint moving test)
ASTM C794-18(2022)	Standard test method for adhesion-in-peel of elastomeric joint sealants
ASTM D6207-03(2019)	Standard test method for dimensional stability of fabrics to changes in humidity and temperature
ASTM E96/E96M-16	Standard test method for water vapour transmission of materials
ASTM G151-00	Standard practice for exposing nonmetallic materials in accelerated test devices that use laboratory light sources
ASTM G154-06	Standard practice for operating fluorescent ultraviolet (UV) lamp apparatus for UV exposure of materials
EN 12316-2:2013	Flexible sheets for waterproofing – Determination of peel resistance of joints – Part 2: Plastic and rubber sheets for roof waterproofing
EN 12317-2:2010	Flexible sheets for waterproofing – Determination of shear resistance of joints – Part 2: Plastic and rubber sheets for roof waterproofing

4.73 Adhesives and Sealants

The following tests in accordance with AS/NZS 3879:2011

Appendix B	Strength development test
Appendix C	Type P and type G joint strength test
Appendix D	Type N and type G joint strength test
Appendix F	Spreadability test

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