



BRANZ Ltd

Client Number 38

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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

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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, Waterproofing membranes for external above-ground use, Part 1:

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Appendix A AS 4654.1:2012, Appendix B	Materials, Appendix A: Classification and properties (Durability) Waterproofing membranes for external above-ground use, Part 1: Materials, Assessment of resistance of waterproofing membranes to cyclic movement (CSIRO joint moving test) Temperature resistance
In-house, based on the requirements of AS 4654.1:2012	
AS/NZS 4858:2004, Appendix A AS/NZS 4858:2004, Appendix B	Wet area membranes, Assessment of durability of waterproofing membranes Wet area membranes, Assessment of resistance of waterproofing membranes to cyclic movement (CSIRO joint moving test)
ASTM C794-18(2022) ASTM D6207-03(2019)	Standard test method for adhesion-in-peel of elastomeric joint sealants Standard test method for dimensional stability of fabrics to changes in humidity and temperature
ASTM E96/E96M-24 ASTM G151-19	Standard test method for water vapour transmission of materials Standard practice for exposing nonmetallic materials in accelerated test devices that use laboratory light sources
ASTM G154-23	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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