

**CERTIFICATE OF ACCREDITATION**



**FacadeLab Limited**

**Client Number 9055**

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**Telephone 09 412-2800**

**www.facadelab.co.nz**

**Authorised Representative**

Mr Richard Gibbs  
Managing Director

**Programme**

Mechanical Testing Laboratory

**Accreditation Number 1091**

**Initial Accreditation Date 26 June 2013**

**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

**Key Technical Personnel**

Mr John Burgess	4.41
Mr Richard Gibbs	4.41

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FacadeLab Limited  
 Mechanical Testing Laboratory  
**SCOPE OF ACCREDITATION**

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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 following tests in accordance with SNZ TS 4211:2022**

Clause 5.8, Appendix E Torsional rigidity

The test requirements defined in NZS 4211:2008, SNZ TS 4211:2022, including 2022(A), and AS 2047:2014 in accordance with the test methods of AS/NZS 4420.1:2016

**The following tests in accordance with: AS/NZS 4420.1:2016**

- Clause 2 Test specimen, preparation for tests, and test sequence
- 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

**The following tests in accordance with AS/NZS 4505:2012**

Appendix A Ultimate Wind Pressure Test (excluding A6.3.2 – Resistance to ultimate wind pressure for cyclone regions, and excluding A6.3.3(a) measuring both in-plane and out-of-plane forces)


**The following test methods in accordance with AS/NZS 4284:2008 as required by SNZ TS 4211:2022**

- Clause 8.6 Water penetration by cyclic pressure (and as modified by E2/VM1 and EM-7)
- Clause 8.9 Seismic test (and as modified by BRANZ EM-7)

**(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))
- Clause 8.8 Structural strength at ultimate limit state
- Clause 8.9 Seismic test

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Clause 8.10 Seal degradation test

**The following tests in accordance with BRANZ EM-7 as referenced in M.B.I.E Verification Method E2/VM-2**

- 4.1 Preliminary test at SLS pressure
- 4.2 Air infiltration test 1
- 4.3 Seismic test at SLS displacement
- 4.4 Air infiltration test 2
- 4.5 Water penetration tests – static and cyclic
- 4.6 Water management tests – static and cyclic
- 4.7 Wet wall – seal degradation

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