

Raven Seals are designed to meet the most rigorous International Standards and Building Codes. Throughout, icons have been used to readily identify and make product selection easier. Raven Seals, in the main, have been tested to Australian, New Zealand, British, ISO and EN standards. In many cases they are the same or similar to US standards and Chinese building code requirements. Specifiers should determine the suitability of products shown or contact Raven's Technical Department for assistance.



AUS/NZ



UK/EU

Noise - Acoustic



NCC

Sound Transmission & Insulation; Sect. F Parts F5.0, F5.5 (b),
Health & Amenity; Sect. 2 Part 2.4, O2.4.6,
Sound Insulation; F2.4.6, P2.4.6 V2.4.6, Sect. 3.8, 3.8.6 (appropriate performance requirements (a) (b)).

AS 1191 (ISO 140-3) Measurements of airborne sound transmission loss etc.,
AS/NZS 1276.1 Rating of sound insulation in buildings etc. (ISO 717-1),
AS 2253 Field measurement of the reduction in airborne sound transmission in buildings.

ISO 717-1 Rating of sound insulation in buildings.

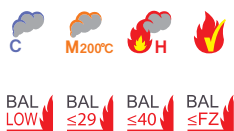
NZ BC Compliance Doc. G (airborne and impact sound).

ASTM E 336, ASTM E 413.

Building Regulations **Approved Document E,**

Building Bulletin 93 - Special Acoustic Conditions for Schools,
BS EN ISO 140-3 Acoustics - Measurement of sound insulation in buildings and of building elements (previous BS 2750),
BS 5821 Rating the sound insulation in buildings and building elements (same as **ISO 717-1**),
BS EN 10140 Series Standards - Laboratory measurement of sound insulation.

Fire and Smoke



NCC

Fire Resistance; Sect. C Parts C3, C3.0 - C3.11, Spec. C2.5, Spec. C3.4, Spec. D1.12 (d) (f), Sect. D Part D2.6.,
Smoke Hazard Management; Sect. Part E.
Bushfire Areas; Sect. G. Part G5.
Fire Safety; Part 2.3, **Bushfire Areas;** Part 2.3 F2.3.4, P2.3.4, SA 3.7.4.3 (c), Table SA 3.7.4.1 (external doors).

AS 3959 Construction of building in bushfire-prone areas,
AS 1530.4 Fire resistance tests of elements of building construction,
AS/NZS 1905.1 Components for the protection of openings in fire resistant walls,
AS 1851.6 and **AS 1851** Section 17 & 18 Maintenance of fire protection equipment,
AS 1530.7 Smoke control door and shutter assemblies,
AS 1735.11 Lifts, escalators and moving walks - Fire rated landing doors,
AS 6905 Smoke Doors.

NZ BC Compliance Doc. C (Fire Safety),

NZS 4520 Fire Doors.

Building Regulations **Approved Document B,**

ISO 834 Fire resistance test - Elements of building construction,
ISO 3008 Fire resistance test - Door and shutter assembly,
BS EN 1634-1 Fire resistance tests for doors and shutter assemblies,
BS EN 1634-3 Smoke control test for door and shutter assemblies,
BS 5588 Fire precautions in the design, construction & use of building,
BS 476 Part 20 Method for determination of the fire resistance of elements of construction,
BS 476 Section 31.1 Method for measuring smoke penetration through door sets & shutter assemblies,
BS 8214 Code of practice for fire door assemblies with non-metallic leaves,
ISO 5925-1 Ambient and medium temperature leakage test,
ISO DIS 12472 Fire test - Determination of the efficiency of the intumescent seals with respect to the fire resistance of timber door assemblies,
BS EN 13501-2 Fire classification of construction products and building elements. Classification using data from fire resistance tests, excluding ventilation services.

Weather, Energy, Insects and Vermin



NCC

Health & Amenity; Sect. F.,
Energy Efficiency Installations; Part I2,
Energy Efficiency - Building Sealing; Sect. J. JP1(f), Part J3. J3.4, Part 3.12.3.3,
Bushfire Areas; Sect. G. Part G5,
Fire Safety; Part 2.3, **Bushfire Areas;** Part 2.3 F2.3.4, P2.3.4, SA 3.7.4.3 (c), Table SA 3.7.4.1 (external doors),
Energy Efficiency; Sect. 2., Part 2.6 O2.6 F2.6 P2.6.1(f),
Building Sealing; Part 3.12. contents 3.12.3.3.

AS/NZS 4420.4 Air infiltration test,
AS/NZS 4420.5 Water penetration test,
AS 2047 Windows & doors in buildings,
AS 1530.7 Smoke control door and shutter assemblies,
AS 3959 Construction of building in bushfire-prone areas,
AS 4674:2004 Parts 2.1.5 (iv) & 2.1.7.

NZ BC Compliance Doc. H (energy efficiency) air tightness H1.3.1, H1.3.3.

Building Regulations **Approved Document L1 & L2,**

BS 7386, BS 8104, CIBSE TM 23 Testing of building for leakage (Part L1 & L2 requirements),
BS 5368 Methods of testing windows (various parts - air permeability, watertightness, wind resistance),
BS EN 1634-3 Smoke control test for door and shutter assemblies,
BS EN 10077-1 Thermal performance of windows, doors, shutters,
IEC 529 Degrees of protection provided by enclosures for electrical equipment,
ISO 8272 Air permeability test,
ISO 9972 Thermal insulation - Determination of building air tightness - Fan pressurisation method,
ISO 5925-1 Evaluation of performance of smoke control door assemblies (Part 1 Ambient temperature test).

Access and Mobility



NCC

Sect. D Part D2, D2.15 and D3, D3.3
Housing Provisions Performance Provisions; Sect. 2.
Part 2.5 (thresholds at door ways).

AS 1428 Design for access & mobility.
AS 4299 Adaptable Housing.

NZ BC Compliance Doc. D (Access routes),

NZS 4121 Design for access & mobility.

Building Regulations **Approved Document M,**

'Access and Facilities for Disabled People' and 'Accessible Thresholds in New Housing: Guidelines for House Builders and Designers'.
BS 8300 Design of buildings and their approaches to meet the needs of disabled people. Code of Practice.