

165CW

Compliance Summary & Evidence of Suitability

NCC Compliance Pathway: Project-specific engineering certification

165CW is a unitised aluminium curtain wall system designed, engineered, and extruded in Australia. Aluminium framing is inherently non-combustible. Glazing and facade performance certified to project-specific structural, thermal, and acoustic requirements.

Key Standards: AS/NZS 4284, AS/NZS 1170, AS 1288 (glazing)

SYSTEM SPECIFICATIONS

Frame depth	165mm internal	IGU capacity	24mm - 40mm
Mullion width	86mm (incl. 10mm gap)	Stack head movement	±25mm
Primary framing	6060-T6	Mullion movement	±10mm
Secondary framing	6060-T5	Glazing method	4-side structural silicone
Structural members	6005A-T6	Origin	Designed & extruded in Australia

KEY FEATURES

Thermal performance	Thermally broken glazing adaptors (polyamide strip + aluminium nose cap)
Sunshade integration	Integrated H & V sunshade brackets with concealed nutplate
Installation	Hook-on bracket system with 3-part structural bracket (3D adjustment)
Curved panels	Available via partner fabrication facility
Interior integration	Integrated architectural skirting and blind pelmet options
Software	Dedicated LogiKal (Orgadata) database for estimating and CNC

CONFORMING STANDARDS

STANDARD	SUBJECT
AS/NZS 1170.0:2002	Structural design actions — General principles
AS/NZS 1170.2:2021	Structural design actions — Wind actions
AS/NZS 1866:1997	Aluminium extrusion tolerances
AS/NZS 4284:2008	Testing of building facades
AS 3715:2002	Thermoset powder coatings
AS 1231:2000	Anodic oxidation coatings
AS 1288	Glass in buildings

CERTIFIER CHECKLIST

- Structural engineering certification for project wind loads
- Facade test report per AS/NZS 4284 (project-specific or type-test)
- Thermal performance modelling and U-value certification
- Glazing schedule per AS 1288
- Shop drawings (stamped by facade engineer)
- Movement accommodation calculations (stack head & mullion)
- Finish specification and sample approval
- Manufacturer warranty documentation

AVAILABLE DOCUMENTATION

DOCUMENT	PAGES	CONTENTS
Technical Manual	188	Full system design, details, structural, installation
Product Brochure	11	System overview, features, project portfolio

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