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COMMERCIAL
CW175 CURTAIN WALL

CAPRAL
ALUMINIUM



Capral's AGS range is extruded in Australia using LocAl® Green primary aluminium.

- Significantly lower carbon emissions than global averages for primary aluminium
- 8kg CO₂e/kg Al*
- ASI Certified Smelter



* Capral utilises a Mass Balance System in line with ISO 20095:2020 Chain of Custody to manage its LocAl Products. CO₂e emissions stated are ex smelter based on kilograms emitted per kilogram of aluminium produced – Aluminium Smelting and Casting, International Aluminium Institute (IAI)



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AGS CW175 CURTAIN WALL

The CW175 Curtain Wall suite has the ability to be four-sided structurally glazed. Thanks to its combination of size and strength, it can cater to mid-sized curtain wall projects with large horizontal and vertical movement capabilities.

The CW175 is targeted at projects where large expanses of glass or high wind loads are demanded. While intended for buildings up to a nominal 10 stories high, due to its superior strength and design it may be used in higher projects depending upon wind loads.

Key features of all Capral products is the technical expertise, thorough testing and system approach to design, the CW175 is no exception having undergone a rigorous AS4284 testing regime.

Other key features include the integration of sun shading directly into the Curtain Wall system without sacrificing structural or water performance.

FEATURES AND BENEFITS

- 175mm frame
- Structural glazed system gives appearance of a frameless glass facade. Optional cover beads to add vertical or horizontal aluminium strips
- Double glazed as standard with single glazed and spandrel options
- Sun shade bracket system allows the fixing of shading products to the frame without sacrificing structural or water performance
- Proprietary mullion and building brackets provide a fully tested system
- 90° internal and external corner mullion allows glazing and shade system to run around corner of building
- Designed and tested as a panellised system to AS4284.

MAXIMUM PERFORMANCE

Serviceability Pressure	3000Pa*
Ultimate Pressure	5000Pa*
Water Penetration - Static	900Pa**
Water Penetration - Cyclic	1800Pa**

FRAME DIMENSIONS

Depth	175mm + Glass
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MAXIMUM RECOMMENDED SIZE

Panel Height	4500mm***
Panel Width	1500mm***
Panel Weight	210kg****

MAX. STACK JOINT MOVEMENT

Horizontal	10mm (+/-5mm)
Vertical	25mm (+10mm / -17mm)

GLAZING CAPACITY

Single Glazed	6mm
Double Glazed	28 or 32mm

WINDOW ENERGY RATINGS

Window ID	Glazing	Uw	SHGC	T _w	Air Inf
CAP-117-021	AGG PRIME Clr 6/12/6	3.1	0.48	0.58	0.1
CAP-117-022	AGG PRIME Clr 8/12/8	3.1	0.47	0.57	0.1
CAP-117-024	AGG PRIME Gy 6/12/6	3.1	0.36	0.29	0.1
CAP-117-026	AGG PRIME Clr lam 6/12/6.38	3.1	0.48	0.59	0.1
CAP-117-040	AGG MAX LI 6/12/6	2.8	0.26	0.57	0.1
CAP-117-041	AGG MAX Gy 6/12/6	2.8	0.22	0.28	0.1

View full list of WERS rating at capral.com.au

* To satisfy AS4284, the CW175 must be wet glazed. If AS4284 not specified as a requirement, dry glazing may be used.

** AS4284, 2008 is more onerous than AS2047, 2014 and its testing also satisfies AS2047 requirements.

*** Maximum specifications for standard configurations. Contact Capral for further assistance in specifications outside these requirements.

**** Based on the maximum panel size of 3.5m x 1.5m with an equivalent of 16mm of glass (8/12/8).