

ncloseTM

Unitised Rainscreen Facades

High performance building envelope solutions – designed, engineered and fabricated in Australia



CSR

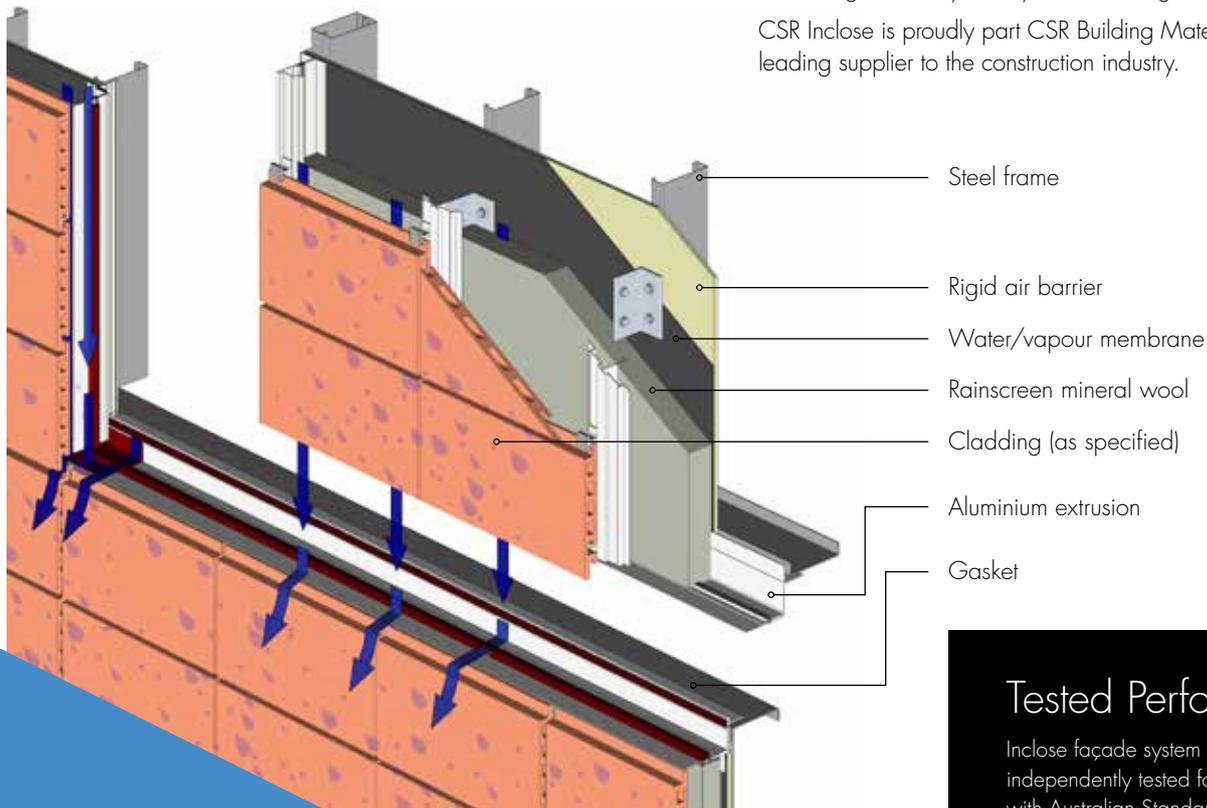
High performance, engineered building envelope solutions.

CSR Inclose™ designs, engineers and installs a precision fabricated, unitised rainscreen façade system to meet or exceed today's building codes for fire, thermal, acoustic and weather performance. This quick to install system complies with Australian standards and has passed testing to both AS 5113 and AS 4284.

What truly sets CSR Inclose apart is the turnkey service offered by the team. Working in close consultation with clients from start to finish, we provide customised designs, full-shop drawings and panel layouts to ensure optimal outcomes for each project.

The megapanel are manufactured offsite in our Port Kembla, NSW facility and delivered to fit in with each project's construction schedule, increasing efficiency, safety and reducing storage on site.

CSR Inclose is proudly part CSR Building Materials, Australia's leading supplier to the construction industry.



What we deliver

- Precision factory fabrication
- Increased speed of enclosure
- Greater site efficiency and improved safety
- Single source building enclosure with one set of façade documents
- Supply chain assured through local manufacture
- Comprehensive façade warranty
- Improved air and water tightness with long term durability

Tested Performance

Inclose façade system has been independently tested for compliance with Australian Standards



Fire tested to AS 5113 at Exova Warringtonfire



Weather tested to AS 4284 at CSIRO



The rainscreen system

A rainscreen (also referred to as a 'drained and ventilated' or 'pressure-equalised' façade) is part of a double-wall construction that is used to form high performance exterior walls for buildings.

The Centre for Window and Cladding Technology (CWCT) defines a rainscreen cladding system as '...a wall comprising an outer skin of panels and an airtight insulated backing wall separated by a ventilated cavity. Some water may penetrate into the cavity but the rainscreen is intended to provide protection from direct rain'.

A rainscreen cladding system is utilised as it has been proven to be the most resilient, long term method of achieving weather tightness.

Finishes

The CSR Inclose rainscreen system can incorporate most lightweight cladding systems. The rainscreen itself simply prevents significant amounts of water from penetrating into the wall construction. Thermal insulation, airtightness and structural stability are provided by the second, inner part of the wall construction.



Case study

The Australian National University in Canberra was the first site in the country to install the innovative megapanel system, designed and fabricated offsite by CSR Inclose.

The student accommodation development in 2018 included a 9 and 7 storey wing, both constructed using cross laminated timber with close to 400 CSR Inclose utilised megapanel. The cladding was a brick slip system featuring a heavily textured Italian brick.

The system was quick to install, with up to 200 square metres of facade completed per day. Other advantages included the elimination of traditional scaffolding and the majority of the vertical and horizontal fire separation junctions were completed in the factory.





ISLAND

Exterior Fabricators

An international technology alliance

CSR Inclose works closely with ISLAND Exterior Fabricators based in New York, sharing their technology and design experience. ISLAND has pioneered the development of panelised façade design with over 18 years experience in the USA market. Through our continuing alliance with ISLAND, we are able to harness a wealth of international experience and design expertise.

Local manufacture

The CSR Inclose factory is located in Port Kembla, NSW near Wollongong to service the east coast of Australia.

Typically, around 50% of the façade is completed prior to installation commencing to allow for rapid installation and construction program compression.

Clients are welcome to visit the factory to view their façade under construction or inspect a Visual Mock Up on a custom designed rig that can be adjusted to replicate various floor to floor heights.



inclose™

Unitised Rainscreen Facades

For more information on rainscreen façade systems from Inclose call 1800 023 360 or email Inclose@csr.com.au.

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