

Curtainwall Systems



THE PW1000 SYSTEM IS A FOUR SIDED STRUCTURALLY GLAZED CURTAINWALL SUITE AND THE PW400 SYSTEM IS A FOUR SIDED MECHANICALLY GLAZED ENGAGED CURTAINWALL

Highrise Unitised Curtainwall or Panelwall systems offer a total cladding package, which are flexible and versatile. The design options for architects from the combinations of materials and colours available today are almost limitless.

These products can also be used on lowrise applications where large spans or large panes of glass require a higher strength system. The weathering design of these curtainwall suites follows recognised international curtainwall design principles - rainscreen pressure equalisation and system drainage - which requires primary and secondary weathering.

The rainscreen acts as a primary water-stop, the second airseal and cavity acts as a backup to collect and drain away any water that manages to penetrate the primary rainscreen barrier.

All internal cavities of the system are designed to be pressure equalised (i.e. no pressure differential between the outside face and any internal cavity). This feature allows the water which penetrates the rainscreen to drain freely back to the exterior.

The rear air seal is critical to the system's weathering performance as air infiltration acts as the medium which transports water through to the building's interior, ie it is the prime cause of any leakage.

PERFORMANCE/ SPECIFYING

We work with the largest facade testing facility in New Zealand where we test our systems and custom designed suites to ensure compliance with the below codes or project specific requirements:

- » AS/NZS1170 (Structural Design Actions)
- » NZS4223 (Glazing in Buildings)
- » NZS/AS4284:2008 (Water / Air Pressure/ Air Leakage - Meets and exceeds minimum requirements)

All the Woods Glass suites are independently laboratory tested to IANZ (International Accreditation New Zealand). Test certificates are available on request.

CLEANING/ MAINTENANCE

Maintaining glass, metals and stone are all particular to the environment that they are placed in, e.g. marine, environmental pollution, exposure to natural washing, etc.

It is recommended by almost all material suppliers that building washing should occur every 3-6 months to prevent staining to glass and environmental pollutants from corroding metals and to maintain the material warranties.

A full maintenance manual is provided on completion of a project for all the elements integrated within a project.

RANGE

Sizing of modules is generally only limited by the project design requirements, economic considerations, transport and site crane installation limitations. We would be happy to discuss what these might be on your project.

The PW1000/400 is available in various mullion sizes to suit your project:

75mm / 100mm / 150mm / 200mm

With the ability, where necessary, to structurally supplement the sections when the suite is exposed to high floor to floor spans or high wind zones, thus potentially reducing the need for additional primary or secondary structure to be provided by the Main Contractor.

FINISHES

Polyester powder coat - both standard and special colours available.

Anodised - all anodised colours available - commercial grade 20 micron finish recommended.

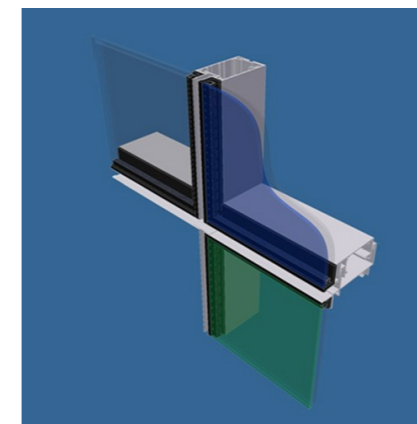
PVF2 Fluorocarbon finishes - available on request..

BUILDING CODES

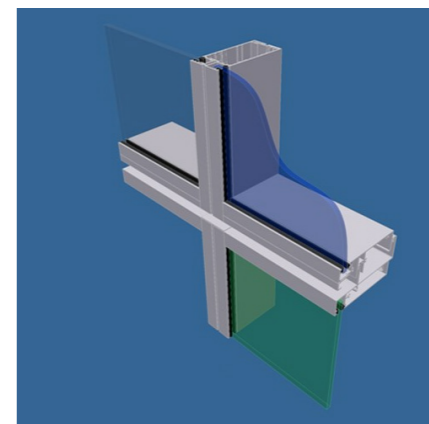
Tested to meet the performance requirements of AS/NZS1170, NZS4223, NZS/AS4284:2008

GLAZING RANGE

4mm single glazed up to 32mm double glazed.



PW1000



PW400

For additional information please contact Woods Glass.