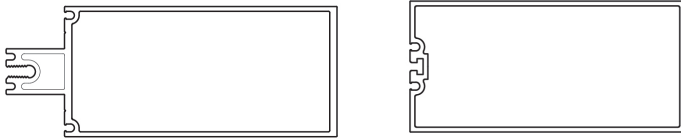


## VersaWall 2500 Traditional Curtain Wall

### Product Description

Traditional curtain wall system of tubular aluminum sections with capped and SSG profile options



#### Recommended use

For low to mid rise curtain wall where high performance is crucial

#### Composition & Materials

- 6063 alloy, T6 or T5 temper aluminum extrusions
- PVC thermal separators
- Extruded EPDM or silicone air and weather seal gaskets
- Structural extruded silicone glazing spacer is compatible with structural silicone sealants
- When necessary, internal reinforcing members are galvanized steel to suit engineering requirements
- Anchor devices may be a combination of pre-manufactured aluminum or steel components; project specific designs and/or cadmium plated fasteners.

#### Finishes

Anodic coated finishes in Class I and Class II and architectural painted finishes are available. Also, two colour (exterior and interior) finishes are possible

#### Limitations

- Limited thermal performance (see ThermaWall products)
- Installation of curtain walls should be reviewed for structural and load requirements
- Curtain wall is intended to be installed perpendicular (90 Degrees) to the floor. Any attempts to change this should be presented to Alumicor at the design stage to ensure drainage paths are maintained
- Contact Alumicor for technical support in this area

#### Technical Services

Contact any Alumicor regional office by visiting [www.alumicor.com](http://www.alumicor.com)



### Features & Benefits

- 2-1/2" (63.5 mm) profile
- Mullion depths vary from 2-7/8" (73 mm) to 10" (254 mm)
- Rain screen, pressure-equalized design
- Fibreglass pressure plate can be used for added thermal performance
- Two or four-sided structural silicone glazed (SSG) or conventional capped options
- Mullion and overall dimensions to suit most design and load requirements
- High span 8-1/4" (209mm) and 10" (254.0 mm) mullion in SSG or conventional capped available
- F anchors, T anchors and splices available
- Tested to NAFS and CSA requirements

### Warranty

Alumicor standard product warranty applies. Extended warranties may be available. Alumicor's product warranties can be reviewed at [www.alumicor.com](http://www.alumicor.com)

### Filing System

MasterFormat, UniFormat or OmniClass

## Design Considerations

- Curtain wall designs are complex. It is important for designers and specifiers to ensure that competent manufacturer's representatives are involved in the early stages of the project.
- Some of the considerations that must be addressed at the early design stages are:
  - Design loads
  - Glazing infills (both vision, spandrel and operables)
  - Building construction components (and their effects upon the curtain wall)
  - Thermal performance requirements
  - Seismic requirements
  - Integration of the curtain wall into adjacent construction
  - Modules and spans

## Applicable Standards

NAFS-AAMA/WDMA/CSA 101/I.S.2/A440-11

NAFS-AAMA/WDMA/CSA 101/I.S.2/A440-09 Canadian Supplement

ASTM E283 Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls and Doors Under Specified Pressure Differences across the Specimen.

ASTM E331 and ASTM E547- Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.

ASTM E330 - Standard Test Method for Structural Performance of Exterior Windows, Doors Skylights and Curtain Walls by Uniform Static Air Pressure Difference.

## Maintenance

Cleaning should be undertaken as soon as possible after installation to remove construction and environmental dirt and impurities. Cleaning should begin at the top of the building and proceed downward in a continuous operation. Care should be taken to prevent the use of procedures and cleaning materials that could damage the finishes of the aluminum, glass, infill panels or adjacent building components. The curtain wall system should be cleaned annually using approved, non-abrasive cleaners and potable water. Cleaning of aluminum components should be performed in accordance with AAMA 609.1 and 610.2.

## Installation

Alumicor recommends that installation be by authorized Alumicor dealers. Contact your Alumicor representative to confirm the trade contractor is authorized to install Alumicor products. Specifiers may wish to incorporate the requirement of a Product Confirmation as a Submittals requirement. Adhere to design, specifications, manufacturers published manuals and recommended industry practice.

## Availability & Cost

**Availability:** VersaWall 2500 curtain wall is available through authorized Alumicor dealers that are competent in fabrication, assembly and/or installation of the system

**Cost:** The cost of VersaWall 2500 curtain wall is dependent upon design, extent of project, finishes, glazing infill's, custom requirements, and project location. Contact Alumicor regional offices for pricing and/or a list of authorized Alumicor dealers that are authorized in fabrication, assembly and/or installation of the system

## Physical Properties

Property	Test Method	Result
Air Infiltration 300 Pa (6.27 psf)	ASTM E283 @75 + 300Pa	Allowable - 0.2 L/s.m.2 (0.04 cfm/ft2) Results - 0.002 L/s.m.2 (0.000 cfm/ft2)
Air Exfiltration 300 Pa (6.27 psf)	ASTM E283	Allowable - 0.2 L/s.m.2 (0.04 cfm/ft2) Results - 0.002 L/s.m.2 (0.000 cfm/ft2)
Static Water Penetration	ASTM E547 ASTM E331	Allowable - No uncontrolled water penetration Results - Passed @ 720 Pa (15.0 psf)
Structural Design Load Deflection	ASTM E330	Allowable - L/175 Passed+3660 Pa,(+75.2 psf) -3600 Pa,(-75.2 psf) Allowable No damage or permanent deformation exceeding 0.2% Passed+5040 Pa, (+105 psf) - 5040 Pa,(-105 psf)

\* Tests performed by Exova 2395 Speakman Dr., Mississauga, ON, Canada L5K 1B3.Copies of test reports available upon request.