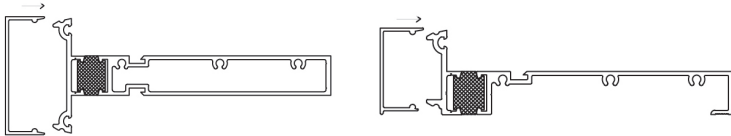


FeatureLine 990 Fixed Window

Product Description

Fixed window. Capped interior glazed window. Frame depths up to 5 ¾" (145.6mm)



Recommended use

Ideal for ribbon or punched opening applications



Composition & Materials

- 6063 alloy, T6 or T5 temper aluminum extrusions
- Extruded EPDM and neoprene gaskets
- Compatible with structural silicone sealants
- When necessary, internal reinforcing members are galvanized steel to suit engineering requirements

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

- Always refer to wind load charts for height limitations
- Doors cannot be hung on this system
- Must not be used as a window wall
- Must incorporate an exterior wet seal when used as a prime sealed window
- Must include a heel bead when used as a rain screen window

Features & Benefits

- Versatile cap design simulates a curtain wall appearance
- Exterior caps can be designed to replicate or create specific architectural features
- Foamed PVC thermal barrier for improved thermal performance
- Strap anchor option makes installation easy
- Optional top load gasket eliminates loose gasket problems caused by undersized IGU's
- Accepts 1/4" (6.35mm) or 1" (25.4mm) glazing with provisions for interior sull sash
- Tested to AAMA 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

Filing System

MasterFormat, UniFormat or OmniClass.

Technical Services

Contact any Alumicor regional office by visiting www.alumicor.com

Design Considerations

- 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 and operables)
- Building construction components (and their effects upon the window)
- integration of the window into adjacent construction
- Modules and spans

Applicable Standards

AAMA/NWDA 101/I.S.2-97

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 E547- Standard Test Method for Water Penetration for Exterior Windows, Skylights, Doors and Curtain Walls by Cyclic Static Air Pressure Difference

ASTM E331 – 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: Available through authorized Alumicor dealers that are competent in fabrication, assembly and/or installation of the system

Cost: The cost depends 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 certified in fabrication, assembly and/or installation of the system

Physical Properties

Property	Test Method	Result
Air Infiltration 300 Pa (6.27 psf)	ASTM E283	Allowable - 5.40 (m ³ /hr)/m ² (0.30 cfm/ft ²) Results - 0.46 (m ³ /hr)/m ² (0.025 cfm/ft ²)
Water Penetration by Cyclic Air Pressure Difference	ASTM E547	Allowable - No uncontrolled water penetration Results - Passed @ 580 Pa (12.00 psf)
Water Penetration by Static Air Pressure Difference	ASTM E331	Allowable - No uncontrolled water penetration Results - Passed @ 580 Pa (12.00 psf)
Uniform Load Structural	ASTM E330	Allowable - No damage or permanent deformation exceeding 0.4% Passed- +5750 Pa, (+120.00 psf) - 5750 Pa, (-120.00 psf)

*Tests performed by Intertek, 6225 Kenway Drive, Mississauga, Ontario, L5T 2L3
Copies of test reports available upon request