

DOUBLE HUNG / TILT WINDOW

PRODUCT

Shall be 900 Series Fiberglass, Double Hung/Tilt Window Assemblies, as manufactured by INLINE FIBERGLASS Limited. Frames are 82.5mm (3-1/4") deep and in compliance with AAMA 101/1.S.2. Rating: H-R 55 and CSA A440 rating: A3, B7, C5.

MATERIAL

All frame and sash profiles are made from pultruded fiberglass, having a nominal wall thickness of 2.3mm (0.090"). Non-structural accessory members may be vinyl or aluminum and identified as such.

CONSTRUCTION

Frame and sash corners are connected with molded reinforced polymer components and mechanically secured. Joints are factory sealed and neatly fitted together.

FINISH

All exposed surfaces are coated with durable acrylic urethane top coat with a medium gloss of 17-35. In compliance with AAMA-613. Available in five standard colours. Unlimited custom colours, including split finish.

HARDWARE

Locks: two sets of die-cast cam locks with release latch and keepers. [Spiral sash balances], [stainless steel constant force balances]. Sash opening restrictors, and night latch are optional extras. Hardware is installed with fasteners into patented back-up reinforcing clips.

WEATHER-STRIPPING

Windows are designed as a "Pressure Equalized Rain Screen System", with pile, Q-Lon gaskets and dust plugs to provide a positive air and vapor seal.

GLASS

All windows are glazed with 20mm (13/16") insulating glass units. Glass thickness shall be in accordance with applicable Building Codes, but not less than 3mm (1/8"). Inline recommends the use of double-sealed insulating glass units certified by IGMAC or SIGMA. The full range of glazing options are available including: colonial grilles, low conductivity spacers, inert gas fills, and glazings to reduce heat loss, solar heat gain, and visible light transmission.

GLAZING METHOD

Laid-in glazing using polyethylene closed cell tape on the interior and a fiberglass glass stop locked-in from the exterior provides a secure and positive seal for the glass.

INSECT SCREENS

Full-height, roll-formed aluminum frame with friction fit corner keys. Screen mesh (Fiberglass or Aluminum) retained by vinyl spline.

INSTALLATION

Shall be performed by experienced installers in accordance with manufacturer's instructions and CSA-A440.4. Window shall be plumb and square after installation is complete and sealed to both interior and exterior walls with a high quality sealant around the perimeter of the frame. If perimeter cavity is to be foamed, additional anchorage may be required to prevent bowing. It shall be the responsibility of the installers to make all necessary final adjustments to ensure normal and smooth operation.

MAINTENANCE

To maintain performance and ease of operation, clean glass, frames and fly screen, vacuum weather stripping and sill, lubricate hardware and weather-stripping with only silicone spray, a minimum of every six months.

- Due to constant product improvements, Inline reserves the right to change information herein without notice.

900 SERIES DOUBLE HUNG VERTICAL SLIDER

TEST REPORT SUMMARY

In compliance to AAMA/
101/I.S.2/ CSA A440

TEST SIZE	1000mm x 1600mm
	39 3/8" x 63"

TEST	REQUIREMENTS		RESULTS	GRADE	
	TEST STANDARD	TEST PRESSURE		AAMA	CSA
Air Tightness	ASTM E 283	75 pa (1.57 psf)	0.55 m ³ /h/m 0.12 CFM/ft	A3	A3
Water Tightness	ASTM E 547	700 pa (12 psf)	No Leakage	DP 80	B7
Wind Load Resistance	ASTM E 330	5000 pa (82.5 psf)	No Deformation	DP 55	C5
Series 900 Double Hung window is rated H-R55 design pressure 55 @ test pressure 290 kph (180 mph).					

Energy Ratings

The Thermal Performance Values shown below, are based on products glazed with 13/16" (20 mm) insulating glass units comprising one lite of Low-E, clear glass, an argon filled cavity and a double sealed aluminum spacer.

Higher performance may be achieved by using various glass coatings, inert gasses, and/or warm edge spacers.

Performance	CSA 440.2	NFRC 100	NFRC 100
		Residential 36" x 60"	Non-Residential 48" x 72"
U-Value Frame	2.43 W/m ² /c	0.43 Btu/h/ft ² /F	0.43 Btu/h/ft ² /F
U-Value Window	2.04 W/m ² /c	0.36 Btu/h/ft ² /F	0.35 Btu/h/ft ² /F
SHGC - No Grill	0.46	0.46	0.47
SHGC - With Grill	0.41	0.41	0.43
VLT - No Grill	0.51	0.51	0.54
VLT - With Grill	0.45	0.45	0.49

Note: The reader is cautioned that test results should be used for comparison purposes only. Results are size and installation dependent. In-Service performance can be significantly different from those shown. Product tested indicates design potential.