

FORMAVUE™ WINDOWS

FV-650X, FV-650A, FV-650S

TECHNICAL DATA SHEET

DESCRIPTION

CENTRIA's Formavue FV-650 integrated window system is designed to provide a high-performance, thermally efficient window to panel interface with 2-1/2" thick Formawall Dimension Series insulated metal panels. This window system integrates into the panel joinery with thermally broken extrusions at the window head and sill. The large thermal breaks are aligned with the glass and panel insulation, as well as additional insulation in the window head for one of the most efficient integrated systems on the market today. FV-650 windows integrate with horizontal panels only and are available with spandrel or thru-tube supports, for punched or strip window applications. The FV-650 Shop Assembled Window Frame will ensure faster installation, when compared to a knockdown frames. Optional exterior glazed structural silicone glazed (SSG) mullions are available.

FV-650X

FV-650A

FV-650S

GENERAL DESIGN OPTIONS

FORMAVUE™			
	FV-600X	FV-600A	FV-600S
BUILDING STRUCTURE	Steel Studs	Steel Studs	Steel Thru-Tubes Standard - 4", 5", 6" and 8" x 2" tubes
PANEL THICKNESS	2-1/2"	2-1/2"	2-1/2"
PANEL ORIENTATION	Horizontal	Horizontal	Horizontal
SYSTEM DEPTH	2-1/2"	5-1/2"	2-1/2" + Steel Tube Depth
SITE LINE	3"	3"	3"
NOMINAL FRAME WALL THICKNESS	1/8"	1/8"	1/8"
FRAME FABRICATON	Shop-Assembled	Shop-Assembled	Shop-Assembled
GLAZING* (1" NOMINAL)	Standard: Interior Glazed Full mullion only	Standard: Interior Glazed Optional: Exterior Glazed (SSG mullion*)	Standard: Interior Glazed Optional: Exterior Glazed (SSG mullion*)
MAX. WINDOW HEIGHT**	+/- 4' (wind load specific)	9'-4" (per shipping req.)	9'-4" (per shipping req.)
MAX. EXTRUSION LENGTH	Standard: 16' Max: up to 24'-6"	Standard: 16' Max: up to 24'-6"	Standard: 16' Max: up to 24'-6"
INTERIOR TRIM	None	Extruded & Painted Field Applied	Extruded & Painted Field Applied, Drywall Adaptor Available
WINDOW DESIGNS	Punched or Strip Windows	Punched or Strip Windows Optional: horizontal stacks	Punched or Strip Windows Optional: horizontal stacks
CORNERS	Outside: Exterior Glazed Only Inside: Glazing is Mullion-Specific	Outside: Exterior Glazed Only Inside: Glazing is Mullion-Specific	Outside: Exterior Glazed Only Inside: Glazing is Mullion-Specific

*Silicone required for SSG mullion




** Window height determined by structural requirements.

FORMAVUE DESIGN FEATURES & BENEFITS

- Designed as an integrated component of the Formawall building envelope system
- Aluminum framing with complete thermal break, integral head & sill joinery
- Can be installed in a variety of configurations
- Available in a wide range of colors to compliment your Formawall building envelope
- Integrated design eliminates the need for time-consuming window/wall interface detailing
- Maximum thermal performance and reduced opportunity for window condensation.



FORMAVUE FV-650 TESTING

TEST	TEST METHOD	TEST TITLE	RESULTS
 STRUCTURAL	ASTM E330	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference	Contact CENTRIA for structural capabilities
 AIR INFILTRATION	ASTM E283	Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors	< 0.01 cfm/ft² air infiltration rate at static pressure differential of 6.24 psf
	ASTM E2357	Standard Test Method for Determining Air Leakage of Air Barrier Assemblies	Assembly tested integrated with Horizontal FWDS-3T panels meets the requirements of the standard
 WATER INFILTRATION	ASTM E331	Water Penetration of Exterior Windows, Skylights, Doors and Curtain Walls by Uniform Static Air Pressure Difference	No uncontrolled water penetration at static pressure differential of 15 psf for 15 minutes
	AAMA 501.1	Standard Test Method for Water Penetration of Exterior Walls Using Dynamic Pressure	No leakage at a dynamic pressure of 15 psf for 15 minutes

NOTES

- A. For information on special applications, contact your local CENTRIA Sales Representative.