

# FORMAVUE™ WINDOWS

## FV-400A, FV-400S

### TECHNICAL DATA SHEET



FV-400A



FV-400S

## DESCRIPTION

CENTRIA's Formavue FV-400 window system is designed to provide a thermally efficient window to panel interface with 2" thick Formawall Dimension Series insulated metal panels. This window system integrates into the panel joinery with thermally improved extrusions at the window head and sill. FV-400 windows integrate with both horizontal and vertical panels and are available on spandrel or thru-tube supports, for punched and strip window applications. There are multiple mullion options that are interchangeable within the FV-400 window frame include full mullion (with pressure bar and snap covers) and structural silicone glazed (SSG) mullions.

## GENERAL DESIGN OPTIONS

| FORMAVUE™                    |  |  |   |
|------------------------------|--|--|---|
|                              | FV-400A  | FV-400A-V  | FV-400S   |
| BUILDING STRUCTURE           | Steel Studs  | Steel Studs  | Steel Thru-Tubes<br>Standard - 4", 5", 6" and 8" x 2" tubes |
| PANEL THICKNESS              | 2"   | 2"   | 2"  |
| PANEL ORIENTATION            | Horizontal   | Vertical   | Horizontal  |
| SYSTEM DEPTH                 | 2-1/4" + Aluminum Tube Depth<br>Standard - 4", 5", 6" x 2-1/2" tubes | 2-1/4" + Aluminum Tube Depth<br>Standard - 4", 5", 6" x 2-1/2" tubes | 2-1/4" + Steel Tube Depth                                   |
| SITE LINE                    | 2-1/2"<br>Sill = 2-3/4"  | 2-1/2"<br>Sill = 2-3/4"  | 2-1/2"<br>Sill = 2-3/4"                                     |
| NOMINAL FRAME WALL THICKNESS | 1/8"   | 1/8"   | 1/8"  |
| FRAME FABRICATON             | Field-Assembled  | Field-Assembled  | Field-Assembled   |
| GLAZING* (1" NOMINAL)        | Exterior Glazed  | Exterior Glazed  | Exterior Glazed   |
| MAX. WINDOW HEIGHT           | Limited by load capacity   | Limited by load capacity   | Limited by load capacity                                    |
| MAX. EXTRUSION LENGTH        | Standard: 16'<br>Max: up to 24'-6"                                   | Standard: 16'<br>Max: up to 24'-6"                                   | Standard: 16'<br>Max: up to 24'-6"                          |
| INTERIOR TRIM                | Extruded & Painted<br>Field Applied                                  | Extruded & Painted<br>Field Applied                                  | Extruded & Painted<br>Field Applied                         |
| WINDOW DESIGNS               | Punched or Strip Windows<br>Optional: horizontal stacks              | Punched or Strip Windows<br>Optional: horizontal stacks              | Punched or Strip Windows<br>Optional: horizontal stacks     |
| CORNERS                      | Outside: Exterior Glazed<br>Inside: Exterior glazed                  | Outside: Exterior Glazed<br>Inside: Exterior glazed                  | Outside: Exterior Glazed<br>Inside: Exterior glazed         |




\* Pressure bar required for full mullion; Silicone required for SSG mullion

## 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-400 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           |
|  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.