



## System 945

### 2 1/4" x 4 1/2" Thermal Storefront Ribbon System

#### CONFIGURATIONS

##### Screw Spline

This thermally broken Quick Set™ system is an economical stock length system for field fabrication. Since it has minimal fabrication and installation steps, it provides labor savings over other systems. System 945 is compatible with EFCO entrances.

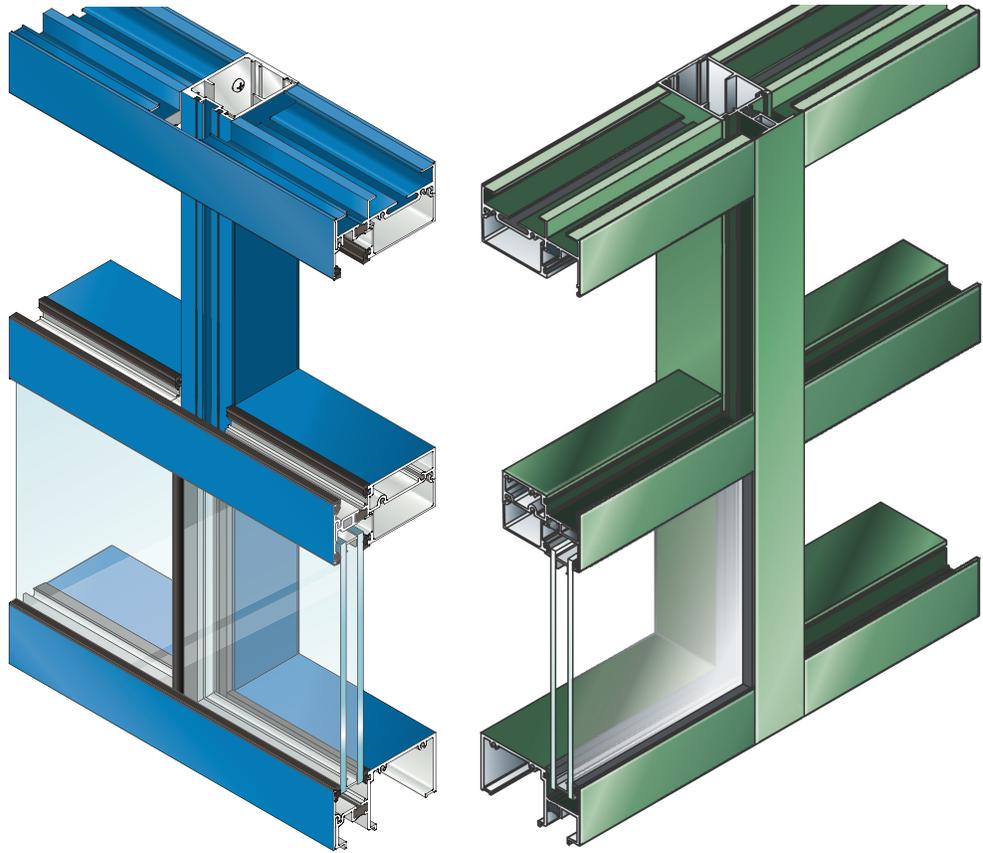
#### Features

#### Benefits

Thermally broken frames All joints and horizontal mullions are square cut	Enhanced thermal performance Facilitates shop fabrication of "ladders" that can be transported as a unit to job sites for quick installation Allows quick fabrication in the field
Unique door jamb is notched to allow the sill flashing to butt directly to a solid surface	Provides a watertight seal at the sill flashing Compatible with 1 3/4" and 2" doors
Optional face cap	Provides ribbon wall appearance Individual interior and exterior finish capability
Silicone structural glazed vertical mullions used with horizontal mullions designed to accept a full-length cover that spans the vertical mullions	Gives horizontal-through appearance
Shallow intermediate horizontals used with interior blinds (optional)	Allows applied blinds to pass the intermediate horizontal without interference
All fasteners are #12 screws	Strengthens system to allow transportation of ladders without damage to joinery system
90° inside and outside corner mullions	Accommodates multifaceted elevations
Accepts standard-sized steel stock bar at 1/4" x 2 3/4" or 1/4" x 2 1/2" (when required)	Eliminates the cost of custom steel fabrication
Accommodates up to 1" glazing*	Expands design and energy savings options
Inside (standard) or outside glazing (optional)	Allows flexibility of construction methods
Anodized or painted finishes available	Multiple options to answer economic and aesthetic concerns

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### PERFORMANCE DATA

SYSTEM 945 QUICK SET™	
AIR INFILTRATION	<.06 CFM/SF @ 6.24 PSF
WATER	NO LEAKAGE @ 12.0 PSF
STRUCTURAL	visit MyEFCO at <a href="http://www.efcocorp.com">www.efcocorp.com</a>
CRF-FRAME	66°
CRF-GLASS	65°

Note: All performance value data is based on laboratory testing per AAMA 101/IS.2/A440 for Air/Water/Structural, ASTM E90 and or E413 for Acoustical, AAMA 507 and or NFRC 100/200/500 for UFactors and AAMA 1503 for Condensation Resistance Factor (CRF). Printed values are subject to change pending the frequency of recertification testing. Field results will vary depending on size, the field test method, the addition of sub-frames, panning, mullions, accessories and installation into the surrounding condition.

**GLAZING**  
SYSTEM 945 QUICK SET™ IS A DRY GLAZED SYSTEM. VARYING GASKETS ARE USED DEPENDING ON THE SYSTEM CONFIGURATION REQUIRED. GLAZINGS OF 1/4" AND 1" INFILL PANELS ARE ACCOMMODATED.

945 THERMAL U-FACTORS*	
CENTER OF GLASS U-FACTOR	CONFIGURATION AND SIZE
	FX / FX** 78 3/4" X 78 3/4"
0.46	0.54
0.34	0.45
0.30	0.41
0.24	0.37

\* Based on NFRC 100  
\*\*NFRC Gateway size

\*Note: Based on NFRC 100. Job specific performance ratings may vary due to differences in glass and glass spacer selection. If NFRC certified ratings are required, EFCO recommends requesting a CMA Bid Report at the bid stage from EFCO's Product Technical Support Group to ensure performance will meet project specifications

SYSTEM 945 GLAZING CHART	POLYCARBONATE			GLASS OR PANEL												
	3/16"	1/4"	5/16"	3/16"	1/4"	1/4**	5/16"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	15/16"	1"	1-1/16"
MONOLITHIC GLASS		C			C	C										
INSULATED GLASS															A	

\*Obscure glass thickness  
\*\*Laminated glass thickness

A-Available glazing option  
C-Adaptor and/or gasket required  
Blank - N/A



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### Frame Construction

Members are extruded 6063-T6 aluminum alloy with a nominal wall thickness of .080". Corner construction employs a screw spline method and utilizes #12 fasteners. Frame members have a face sight line of 2 1/4" and frame depth of 4 1/2". An optional blind pass intermediate horizontal that allows applied blinds to pass through without horizontal interference is available. Optional strap anchors at the head members help facilitate quicker installation of the system. See Illustration 1.

### Door Frame Construction

System 945 offers integral entrance frames in screw spline construction. Members are nominally .080" in thickness. A standard entrance header is available as well as an entrance header that is designed for use with concealed overhead closers. Transom lite glazing is accommodated through applied glass stops and glazing beads. Door stops are also applied so the 945 system will accept varying thickness' of doors.

### Weather Stripping

All entrance frames are weather-stripped with bulb gasket.

### Thermal Barrier

All frames and vents are thermally broken using the latest technology in two part, high density polyurethane.

### Glazing

System 945 Quick Set™ is a dry glazed system. Varying gaskets are used depending on the system configuration required. Glazings of 1/4" and 1" infill panels are accommodated.

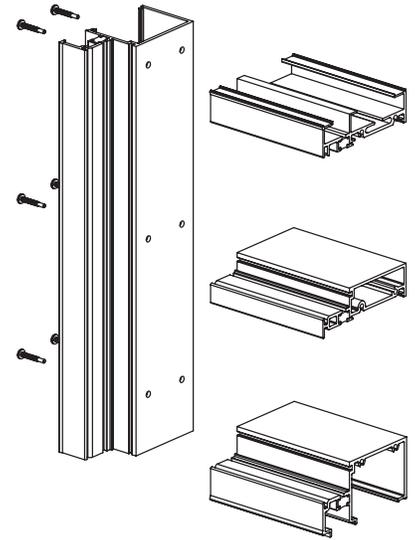


Illustration 1