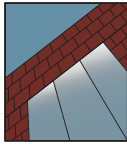


# YES 45 TU

Thermally Broken, Center Set Storefront System



## STOREFRONT SYSTEM

### Product Description

The YES 45 TU is a thermally broken, center set, flush glazed storefront system for insulating glass. The system is thermally broken by means of a poured and debridged pocket that employs a patented process, ThermaBond Plus®, to greatly improve adhesion of the polyurethane to the extruded aluminum. Combining science and technology, ThermaBond Plus® resolves the problem of adhesion and the resulting dry shrinkage associated with typical poured and debridged systems.

### Product Options & Features

- Excellent thermal performance utilizing standard 1" insulating glass
- Patented ThermaBond Plus® thermal break
- High Performance Sill Flashing
  - ◆ No Blind Seals
  - ◆ Tall back leg for enhanced water resistance
  - ◆ Patented 3-point attachment of end dam
- Assembled with either our Screw Spline or Shear Block Technology
- Integrates with our Model 20D/35D/50D Doors

**U-Factor** Values as low as 0.32\*

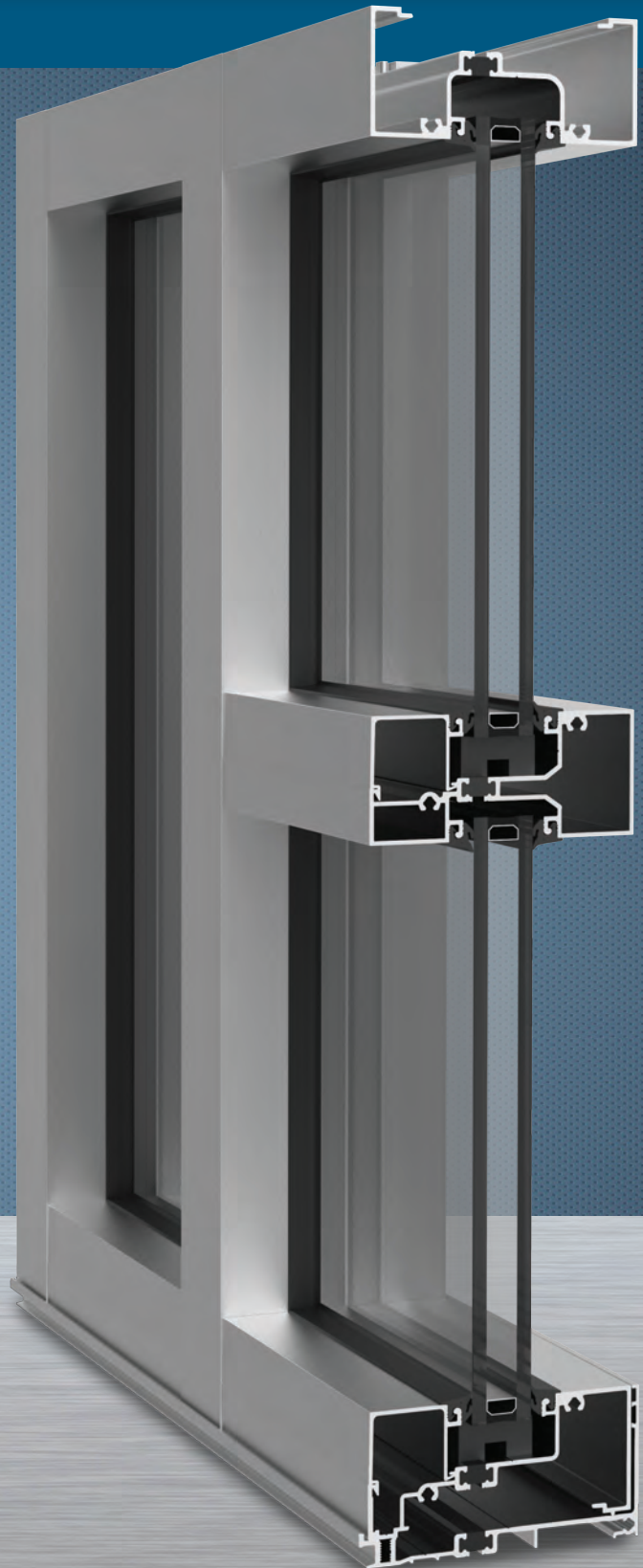
**CRF** Minimum 57<sub>frame</sub> & 62<sub>glass</sub>

\*Based on AAMA 507. Lower values may be achieved through further simulation.



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Quality  
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# YES 45 TU

## SYSTEM SPECIFICATIONS

System Sightline	Base Depth	Glazing & Config	Glass	Air Infiltration	Water Infiltration	Acoustical Performance
2"	4-1/2"	Inside or Outside & Center Set	1" IGU with Low-E (C.O.G. U-factor: 0.29)	0.06 CFM/FT <sup>2</sup> (1.10 m <sup>3</sup> /h·m <sup>2</sup> ) @ 6.24 PSF (299 Pa)	<b>Static:</b> 12 PSF (575 Pa)	<b>Std STC:</b> 32 <b>Std OITC:</b> 26
<b>Testing Standards</b>				ASTM E 283	ASTM E 331 & AAMA 501	ASTM E 90 & 1425
<b>Installation Options</b>				Screw Spline or Shear Block with Monolithic or Insulating Glass		
<b>Available Finishes</b>				Factory Anodized (AAMA 612) and Organic Paints (AAMA 2604 & AAMA 2605)		

Thermal Performance						
1" IGU			BTU/hr·ft <sup>2</sup> ·°F			
<b>C.O.G U-Factor</b>	0.30	0.28	0.26	0.24	0.22	0.20
<b>2" x 4-1/2"</b>	0.43	0.42	0.40	0.39	0.37	0.35
1" IGU			BTU/hr·ft <sup>2</sup> ·°F			
<b>C.O.G U-Factor</b>	0.30	0.28	0.26	0.24	0.22	0.20
<b>2" x 4-1/2" (XT Filler)</b>	0.40	0.38	0.36	0.35	0.33	0.32
<b>Testing Standards</b>	AAMA 507 & NFRC 100					

CRF	
Frame	Glass
57	62
CRF	
Frame	Glass
Not Tested	Not Tested
AAMA 1503	

## SILL FLASHING

- No Secondary penetration of sill and flashing.
- 2" back leg on sill flashing – enhanced water resistance in the field and in field water testing.
- Three point attachment of end dam, with two patented screw splines.
- No sill anchoring required if end reaction is less than 500 lbs.
- Sill flashing and end dams can be assembled and sealed in the shop. Much more secure during transport to job site.
- New silicone sill flashing splice sleeve seals more reliably and with less "bump".



## THERMALLY BROKEN

ThermaBond Plus® process is a pour and debridged process that greatly improves the adhesion of the polyurethane material to the aluminum extrusion. Combining science and technology, ThermaBond Plus® process resolves the problem of adhesion and the resulting dry shrinkage associated with typical poured and debridged systems.

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at: [www.ykkap.com/commercial/product/storefronts/yes-45-tu-center-set/](http://www.ykkap.com/commercial/product/storefronts/yes-45-tu-center-set/)