

YES 45 XT

High Performance Storefront featuring Dual Thermal Barriers

enerGfacade®



Superior Thermal Performance and Structural Integrity

This energy saving storefront system features a dual thermal barrier design to significantly reduce heat transfer and keep internal surfaces warmer. ThermaBond Plus® technology delivers superior thermal protection and structural integrity to provide longer vertical spans and horizontal spacings; not to mention its best-in-class thermal performance attributes.

Product Options & Features

- Outstanding thermal performance utilizing standard 1" insulating glass
- Greater efficiency can be achieved with higher performance glass
- Screw Spline Assembly
- Industry leading Sill Flashing Design
- Integrates with Sun Control Products ThermaShade® and Luminance®
- Panning, Trim and Accessories

U-Factor Values as low as 0.29*

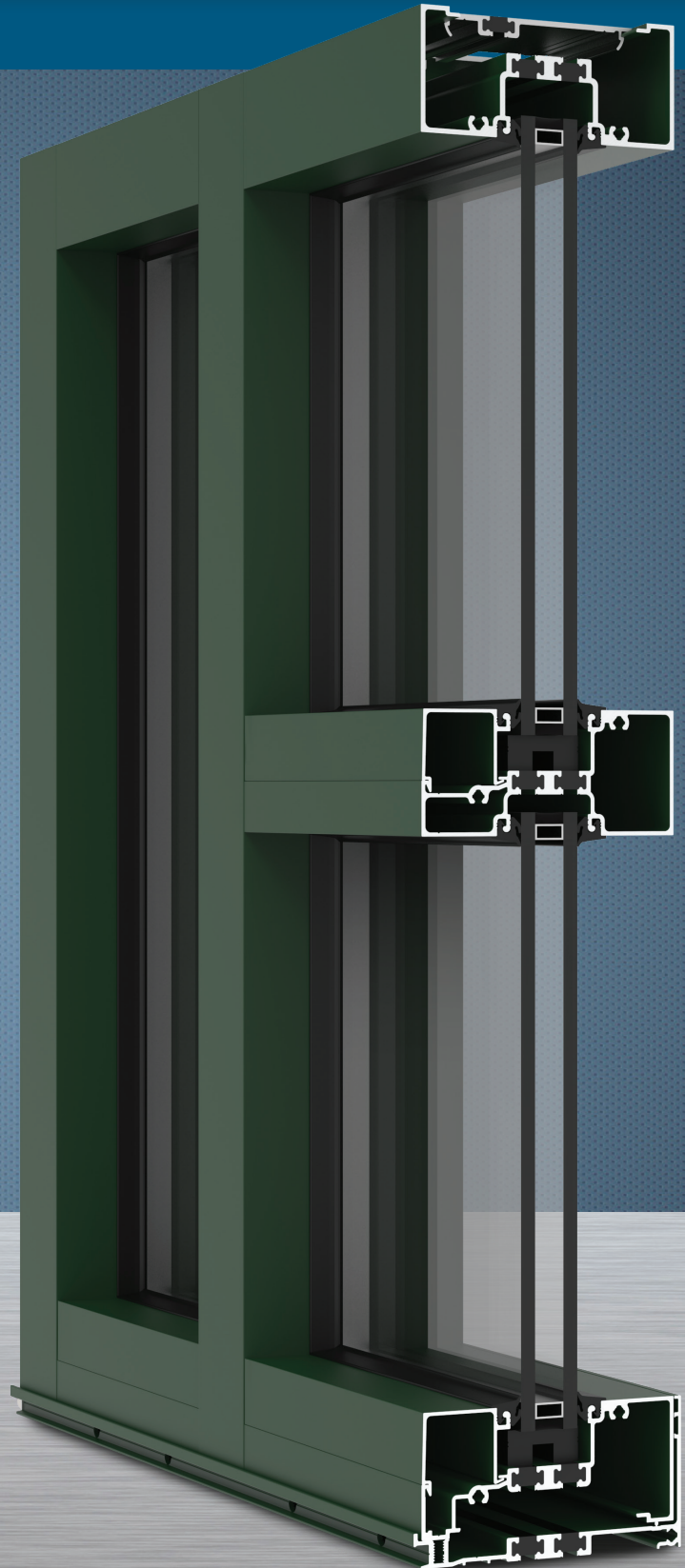
CRF Minimum 66_{frame} & 64_{glass}

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



**YKK
aP**

Quality
inspires®



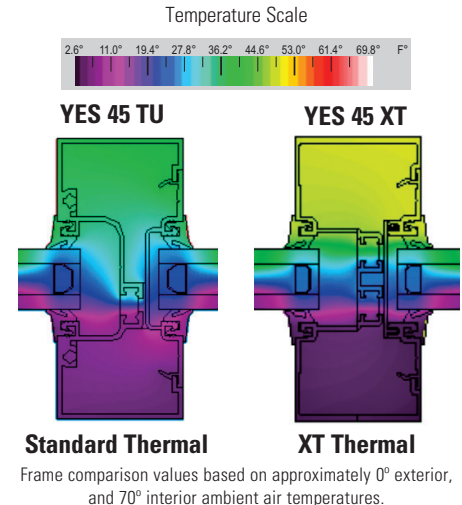
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SYSTEM SPECIFICATIONS

System Sightline	Base Depth	Glazing & Config	Glass	Air Infiltration	Water Infiltration	Acoustical Performance
2"	4-1/2"	Outside or Inside & Center Set	1" IGU with Low-E (C.O.G. U-factor: 0.29)	0.06 CFM/FT ² (1.10 m ³ /h·m ²) @ 6.24 PSF (299 Pa)	Static: 12 PSF (575 Pa)	Std STC: 32 Std OITC: 27 Lam STC: 36 Lam OITC: 30
Testing Standards				ASTM E 283	ASTM E 331 & AAMA 501	ASTM E 90 & 1425
Optional Mullions				Expansion Mullion, 135-degree Corner, 165-180-degree Corner and Three-Way Mullion		
Available Finishes				Factory Anodized (AAMA 612) and Organic Paints (AAMA 2604 & AAMA 2605)		

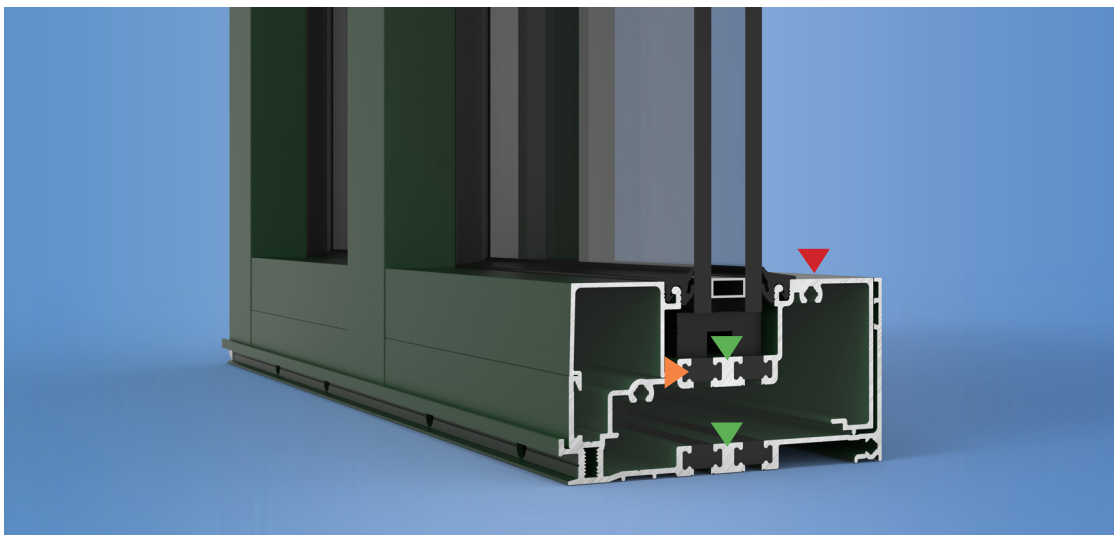
Thermal Performance						
1" IGU with LowE BTU/hr·ft ² ·°F						
C.O.G U-Factor	0.30	0.28	0.26	0.24	0.22	0.20
2" x 4-1/2"	0.37	0.36	0.34	0.32	0.31	0.29
Testing Standards	NFRC 100					

CRF	
Frame	Glass
66	64
AAMA 1503	



SILL & FLASHING VIEW

- ▼ **DUAL THERMAL BARRIER** - Dual pour and de-bridge design on the sill and flashing facilitates excellent U-factors and is cost effective.
- ▼ **WARMER INTERIOR SURFACES** - Greater occupant comfort and increased resistance to condensation, with CRF_i values up to 66
- ▼ **THERMABOND PLUS** - a process that greatly improves the adhesion of the polyurethane material to the aluminum. This plasma technology 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, Fenestration Product Rating Certificates and Installation instructions are available online at: www.ykkap.com/commercial/product/storefronts/yes-45-xt/