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enerGfacade®

YKK AP Energy Saving Solutions



Bob Evans Corporate Headquarters - New Albany, OH

YCW 750 XT

Advanced Thermal Performing Outside Glazed Curtain Wall System

The **YCW 750 XT** yields best-in-class thermal performance and exceeds the most stringent green building codes and standards in the market today. This system utilizes MegaTherm® technology with structural polyamide struts that accommodate standard glazing units as well as advanced glazing options. To ensure long-term structural integrity, the deadload of the glass rests on integrated structural supports, diverting this load away from the thermal barriers.

- Integrates with a building's air-vapor barrier system
- Dual finish capability for different exterior and interior colors
- Optional intergreteal thermally broken sill flashing available
- Designed to support glazing up to 2-1/4"
- Integrates with our YKK AP Entrances and Sun Control Systems

Configuration:

Glazing	Glass Setting	Installation
Outside	Front Set	Shear Block

Thermal Values:

U-Factor:	Values as low as 0.17*
CRF:	Minimum 78 _{frame} and 67 _{glass}

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

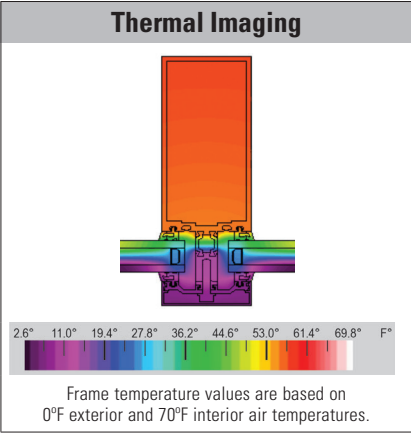


YCW 750 XT SPECS		
Base Depth	7-1/2"	
Sightline	2-1/2"	
Config	Outside Glazed / Front Set	
Tested Glass	1" IGU with Low-E (C.O.G. U-Factor: 0.29)	
Test	Results	Standards
Air Infiltration	0.06 CFM/FT ² (1.10 m ³ /h·m ²) @ 6.24 PSF (299 Pa)	ASTM E 283
Water Infiltration	Static: 20 PSF (958 Pa) Dynamic: 20 PSF (958 Pa)	ASTM E 331 AAMA 501
Acoustical (1" IGU)	Standard STC: 32 Standard OITC: 27	ASTM E 90 ASTM E 1425
	Laminated STC: 35 Laminated OITC: 30	

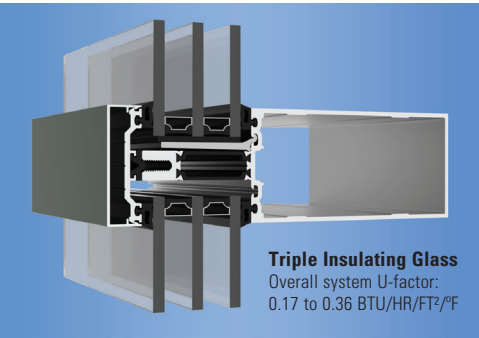
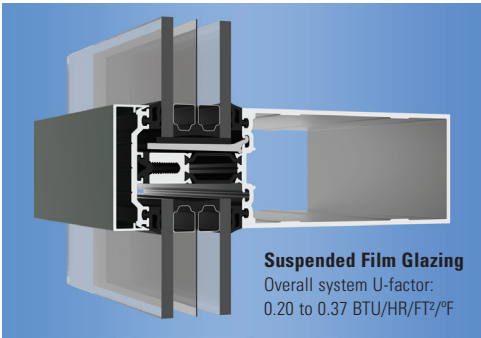
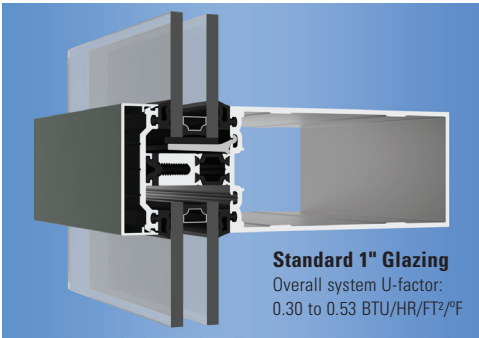
Thermal Performance									
Mullion Depth	U-Factor - BTU/hr·ft ² ·°F						CRF		
2-1/2" x 7-1/2" (1" IGU)	0.40	0.38	0.36	0.35	0.33	0.31	78	67	
Center of Glass	0.32	0.30	0.28	0.26	0.24	0.22	Frame	Glass	
2-1/2" x 8-1/2" (2" IGU)	0.28	0.26	0.24	0.22	0.21	0.19	82	75	
Center of Glass	0.20	0.18	0.16	0.14	0.12	0.10	Frame	Glass	
NFRC 100							AAMA 1503		

Finish Options	
Type	Standard
Factory Anodized	AAMA 612
Organic Paints	AAMA 2604 AAMA 2605

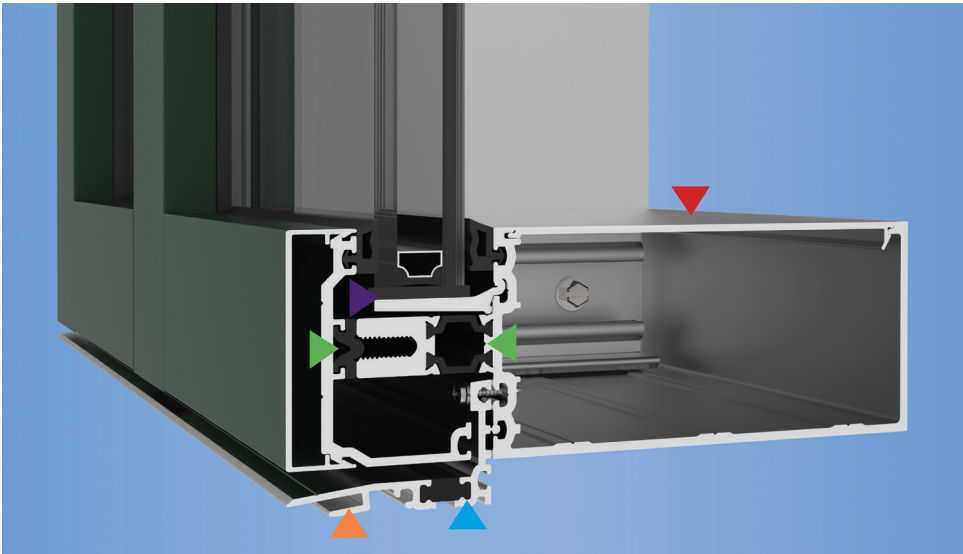
Mullion Depth Options	
with 1" Glass	with 1-1/2" Glass
6", 7-1/2", 9"	6-1/2", 8", 9-1/2"
with 1-3/4" Glass	with 2" Glass
6-3/4", 8-1/4", 9-3/4"	7", 8-1/2", 10"



Glazing Options



A Closer Look at our Thermal System



- ▼

DUAL THERMAL BARRIER
 Polyamide struts (6/6 with glass fibers on all three axes) and thermal isolator
- ▼

WARMER INTERIOR SURFACES
 Greater occupant comfort and increased resistance to condensation
- ▼

INTEGRATED STRUCTURAL SUPPORT
 Carry dead load of the insulating glass, diverting load away from struts
- ▼

OPTIONAL INTEGRAL SILL FLASHING
 Diverts internally drained water away from adjacent components at sill
- ▼

OPTIONAL BRAKE METAL INTERFACE
 Allows flashing to extend further from the building at the sill