

YKK AP[®]

www.ykkap.com



Tidewater Community College - Virginia Beach, VA

YCW 750 OGP

Outside Glazed Curtain Wall System with Polyamide Pressure Plates

The **YCW 750 OGP** is a curtain wall system that provides flexibility, while greatly improving the units overall thermal performance. The mullions utilize a low conductivity polyamide pressure plate. The system, in turn, reduces temperature transfer from the exterior to the interior creating more comfortable interior spaces.

- Polyamide Pressure Plates inserted for extra thermal performance from the standard mill finished aluminum
- Dual finish capability for different exterior and interior colors
- Steel reinforcement option for more structural support
- Stick built with concealed fasteners
- 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 0.30*
CRF:	Minimum 76 _{frame} and 66 _{glass}

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

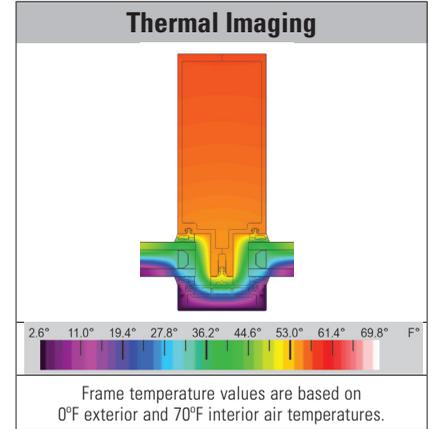


YCW 750 OGP SPECS		
Base Depth	7-1/2"	
Sightline	2-1/2"	
Config	Outside Glazed / Front Set	
Tested Glass	1" IGU with Low-E (C.O.G. U-Factor: 0.29)	
Test	Results	Standards
Air Infiltration	0.06 CFM/FT ² (1.10 m ³ /h·m ²) @ 6.24 PSF (299 Pa)	ASTM E 283
Water Infiltration	Static: 20 PSF (958 Pa) Dynamic: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

Thermal Performance								
Mullion Depth	U-Factor - BTU/hr·ft ² ·°F						CRF	
2-1/2" x 7-1/2"	0.38	0.37	0.35	0.33	0.32	0.30	76	66
Center of Glass	0.30	0.28	0.26	0.24	0.22	0.20	Frame	Glass
AAMA 507 & NFRC 100							AAMA 1503	

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

Mullion Depth Options
with 1" Glass
6" or 7-1/2"



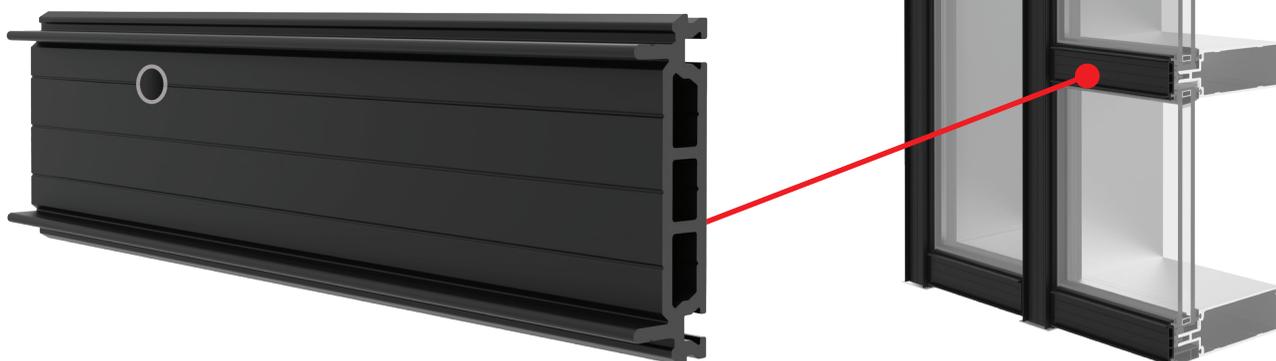
Shear Block Assembly

We have designed a reliable shear block that integrates easily with our curtain wall systems. **1** Measure or use our drill fixtures for the initial shear block holes. Apply and fasten the shear block to the Verticals and Jamb. **2** Then, drill and countersink holes in the adjacent head, sill or horizontal mullions. You can now apply the fasteners to tighten and secure the mullions in place. More specifics are in our installation instructions.



Polyamide Pressure Plates

To help keep inside temperatures constant, YKK AP designed a low conductivity pressure plate to reduce heat transfer. These polyamide 6/6 pressure plates are a superior option compared to handling alternative fiberglass products. Adding these pressure plates results in at least 20% better thermal performance versus the standard plate in the YCW 750 OG system.



Additional information including CAD details, CSI specs, test reports and installation instructions are found on the Product Guide by clicking this link or visiting www.ykkap.com/commercial/productguide