

YKK ap

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USF Judy Genshaft Honors College - Tampa, FL

YUW 750 TU

Captured or Structural Silicone Glazed Unitized Curtain Wall System

The **YUW 750 TU** is a unitized wall system with polyamide plates designed to be assembled and glazed in a climate controlled environment for increased quality assurance of critical seals. Complete units are then shipped directly to the jobsite permitting rapid installation and dry-in of low to mid-rise commercial buildings. The system also easily interfaces with sun shades for a greater sustainable design solution.

- Versatile Framing Design with captured and 4-sided structural silicone glazing (SSG)
- Polyamide barriers minimize Heat Transfer
- 3-way adjustable curtain wall anchors
- Simplified dimensions for frame/glass ease installation and gives an even, aesthetic look
- Dual Finish capability for interior/exterior
- Optional substituted aluminum barriers

Configuration:

Glazing	Glass Setting	Installation
Outside or SSG	Front Set	Unitized

Thermal Values:

U-Factor:	Values as low as 0.31*
CRF:	Minimum 72 frame and 69 glass

*Based on NFRC 100. Lower values may be achieved through further simulation.



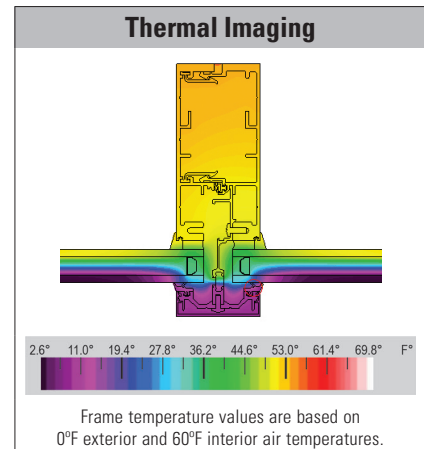
YUW 750 TU SPECS			
Base Depth	7-1/2"		
Sightline	2-1/2"		
Config	Outside or SSG Glazed / Front Set		
Tested Glass	1" IGU with Low-E (C.O.G. U-Factor: 0.29)		
Test	Results	Standards	
Air Infiltration	0.06 CFM/FT ² (1.10 m ³ /h·m ²) @ 6.24 PSF (299 Pa)	ASTM E 283	
Water Infiltration	Static: 20 PSF (958 Pa) Dynamic: 20 PSF (958 Pa)	ASTM E 331 AAMA 501	
Acoustical (1" IGU)	Captured Std STC: 32 Std OITC: 27	SSG Std STC: 33 Std OITC: 27	ASTM E 90 ASTM E 1425
	Captured Lam STC: 36 OITC: 30	SSG Lam STC: 36 OITC: 30	

Thermal Performance								
Mullion Depth	U-Factor - BTU/hr·ft ² ·°F						CRF	
Captured Polyamide	0.39	0.38	0.36	0.34	0.32	0.31	76	71
Captured Aluminum	0.41	0.40	0.38	0.36	0.35	0.33	73	72
SSG Polyamide	0.40	0.39	0.37	0.35	0.34	0.32	74	69
SSG Aluminum	0.41	0.39	0.37	0.36	0.34	0.32	72	70
Center of Glass	0.30	0.28	0.26	0.24	0.22	0.20	Frame	Glass
NFCR 100							AAMA 1503	

Finish Options	
Type	Standard
Organic Paints	AAMA 2604 AAMA 2605

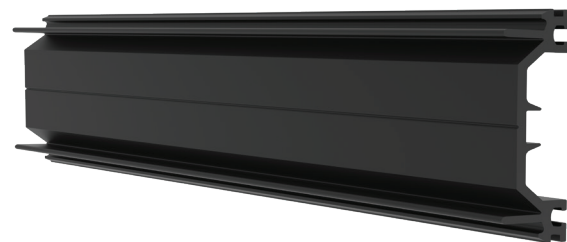
Pressure Plate Options
Polyamide or Aluminum

Frame Member Options
Anchors, 90-Deg Inside Corners and 90-Deg Outside Corners



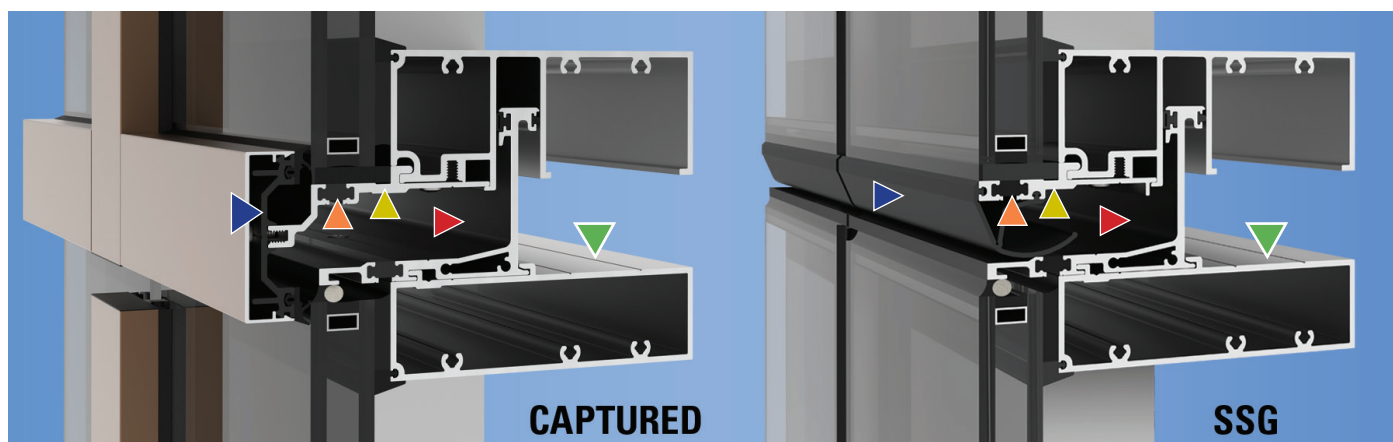
Improving Thermal Performance

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.



A Closer Look at our Unitized System

- ▼ **POLYAMIDE PLATE - CAPTURED / GASKET - SSG**
Maximizes expansion / contraction; helps with insulation
- ▼ **PRESSURE EQUALIZATION**
System manages water penetration through equalization
- ▼ **INTEGRATED STRUCTURAL SUPPORT**
Carries deadload of the insulating glass
- ▼ **THERMALLY BROKEN**
Pour & Debrided barrier provides separation for thermal performance
- ▼ **TWO PIECE HEAD DESIGN**
Provides square cuts for horizontal members in lieu of notching



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