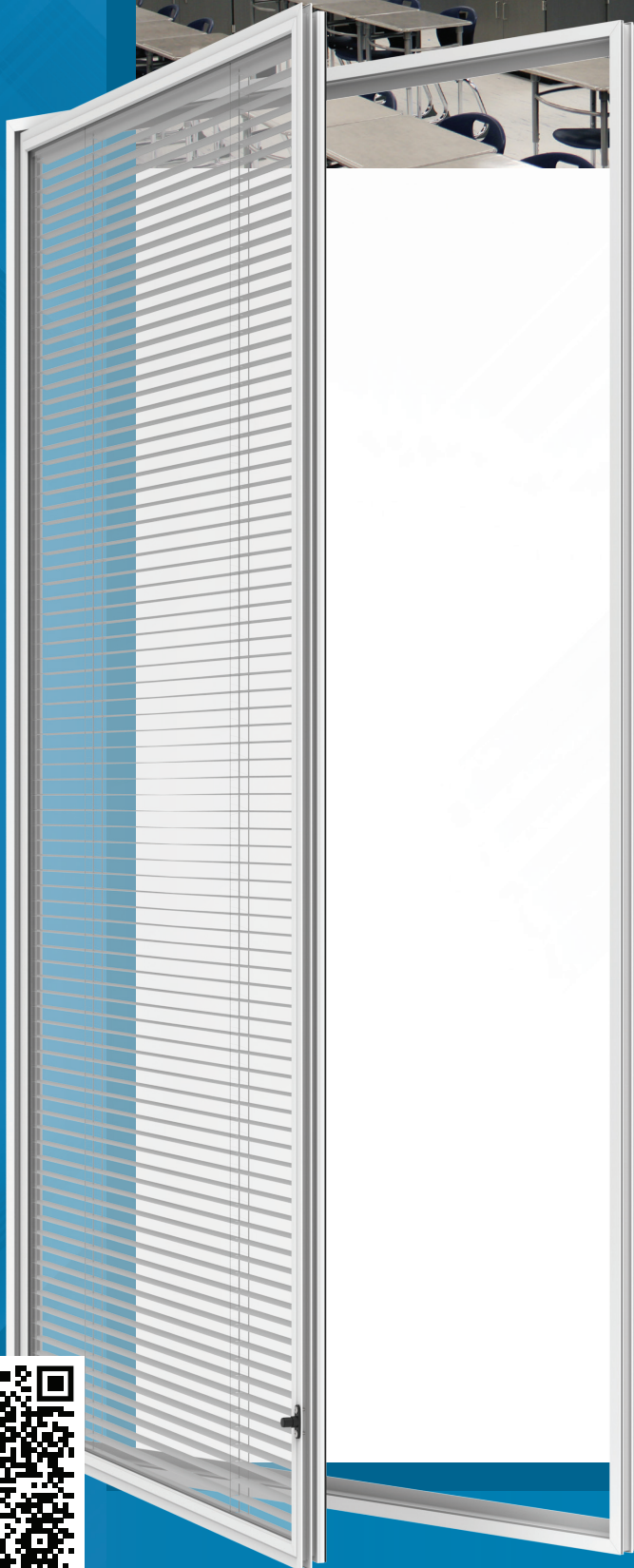# YKK ap ®

West Clermont High School - Batavia, OH

YPI 1500

Interior Access Panel for Curtain Wall, Window Wall and Storefront

The **YPI 1500** is an interior secondary access panel window system designed for new and retrofit installations where enhanced thermal, sound, or privacy performance are critical to occupant comfort. It can be integrated into most new and retrofit Storefront, Window Wall and Curtain Wall systems with little disruption to building occupants.

- Lift out or side-hinged panel options with custodial locks for security and ease

- Integrated 5/8" or 1" between glass Venetian Blinds available in over 10 colors

- Slip-resistant blind tilt control knob to conceal the blinds

- Vent (VMPL) and Frame (FMPL) multi-point locking available

- New or retrofit installation with low maitenance required

Configuration:

Glazing	Glass Setting	Installation
Interior Panel	Front Set in Access Panel	Recessed, Overlap or Surface Mounted

Thermal Values:

U-Factor:	Values as low as **0.38***
CRF:	Minimum of **66**frame

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

YPI 1500 SPECS

Base Depth	1-1/2"
Sightline	1-1/2" plus system sightline
Config	Interior Panel / Front Set
Tested Glass	1" Clear IGU with 3/16" Glass in YPI 1500

Test	Results	Standards
Air Infiltration	0.10 CFM/FT^2 @ 6.24 PSF (299 Pa)	ASTM E 283
Water Infiltration	**Static:** 15 PSF (718 Pa) **Dynamic:** 15 PSF (718 Pa)	ASTM E 331 AAMA 501
Acoustical	Varies depending on the system and glass used. See acoustical tables below.	ASTM E 90 ASTM E 1425
	Standard STC: 39 **Standard OITC:** 31	
Thermal	Varies depending on the system and glass used. See thermal tables below.	AAMA 507 NFRC 100

Finish Options

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

Glazing Options

Standard IGU (3/16")
Clear Tempered IGU (1/4")
Laminated IGU
(1/8" Clear + 0.030 PVB + 1/8" Clear)

Thermal Imaging

Without YPI 1500   **With YPI 1500**

3.4° 11.7° 20.0° 28.3° 36.6° 44.9° 53.2° 61.5° 69.8° F

Frame temperature values are based on
0°F exterior and 70°F interior air temperatures.
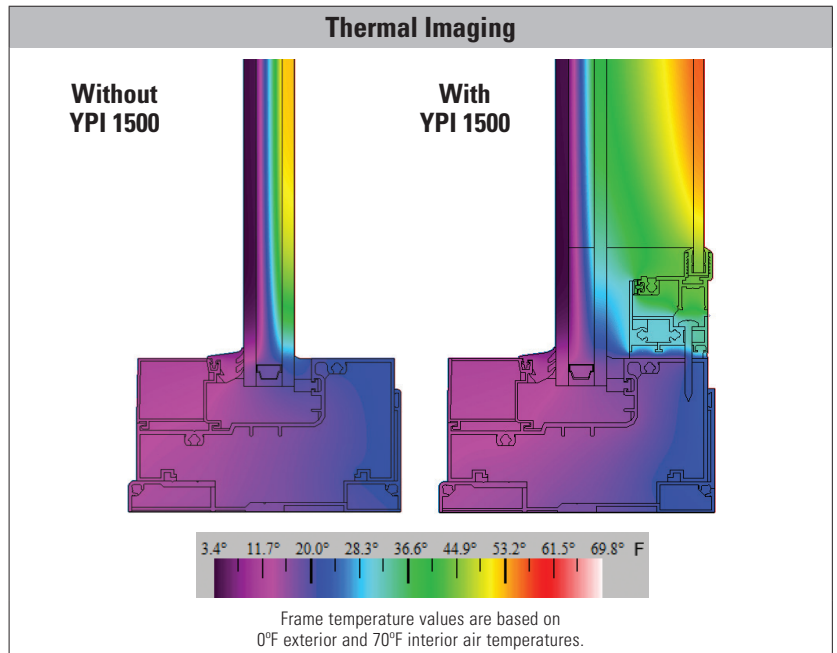
Emphasis on Performance

THERMAL (2" x 4-1/2" NON-THERMAL STOREFRONT w/ YPI 1500)

STOREFRONT GLASS TYPE	YPI 1500 GLASS TYPE	U-FACTOR	SHGC	VT
1/4" TEMPERED	–	1.07	0.73	0.78
1/4" TEMPERED	3/16" CLEAR	0.61	0.44	0.44
1/4" TEMPERED	3/16" SG500 #3	0.52	0.41	0.41
1/4" TEMPERED	3/16" SG600 #3	0.50	0.41	0.40

THERMAL (2" x 4-1/2" NON-THERMAL STOREFRONT w/ YPI 1500)

STOREFRONT GLASS TYPE	YPI 1500 GLASS TYPE	U-FACTOR	SHGC	VT
1" CLR IG	–	0.63	0.63	0.70
1" CLR IG	3/16" CLEAR	0.44	0.56	0.63
1" CLR IG	3/16" SG500 #5	0.39	0.52	0.59
1" CLR IG	3/16" SG600 #5	0.38	0.51	0.57

ACOUSTICAL (2" x 4-1/2" NON-THERMAL STOREFRONT w/ YPI 1500)

STOREFRONT GLASS TYPE	YPI 1500 GLASS TYPE	AIR SPACE	STC	OITC
1/4" TEMPERED	3/16" TEMPERED	1-1/2"	39	31
1/4" TEMPERED	1/4" LAMINATED	1-1/2"	40	32
1" LAMINATED IG	1/4" LAMINATED	1-3/8"	43	35

NOTE: YKK AP recommends that a full YPI 1500 Interior Access Panel is ordered as a demo and to be provided at least one seasonal cycle prior to installation. This will allow building occupants, facility staff, and the design team an opportunity to gauge the effectiveness of interior accessory windows, and verify the suitability of operation maintenance, existing glass type(s), and surrounding conditions. Internal fogging and thermal stress in existing annealed glass are of particular concern.
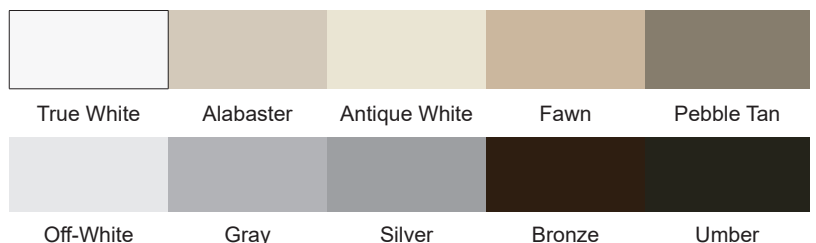
More on the Venetian Blinds
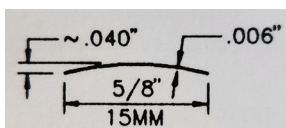
5/8" Blind Slat   1" Blind Slat

True White	Alabaster	Antique White	Fawn	Pebble Tan
Off-White	Gray	Silver	Bronze	Umber
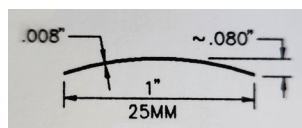
Digital colors of blinds may vary from actual color. A physical YPI Blind Size and Color Chart is available on request. Please contact your local sales rep or branch to acquire a sample chart for color accuracy.

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**