YOW 350 T

Thermally Broken, Heavy-Wall Window System for Insulating Glass

OPERABLE WINDOWS

Application Flexibility

The YOW 350 T windows have been designed and engineered to provide the highest level of performance. They have an overall depth of 3-1/2", the strength of 1/8" wall thickness, and are thermally broken by means of MegaTherm® technology to conserve energy, reduce operating costs, and allow for a dual finish option to fit design needs. This system, when coupled with its mullion options and full line of accessories, can be used as a factory glazed window wall system.

Product Options & Features

- AAMA/WDMA/CSA 101/I.S. 2/A 440-05
  - AW-80 (Operable), AW-100 (Fixed)
- Multiple glazing combinations (see reverse)
  - Dual Glazed – Optional 1" Blinds
  - Triple Glazed - Optional 5/8" Blinds
  - 1" Insulating Glass
- Heavy Duty Hardware: YKK AP Four-Bar Hinges and a 4" NYC Approved Limit Device
- Factory glazing and screens available
- Applied Muntins, Panning, and Trim

U-Factor **Values as low as 0.33***

CRF **Minimum 50**frame **& 67**glass

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

YKK AP® Quality inspires®

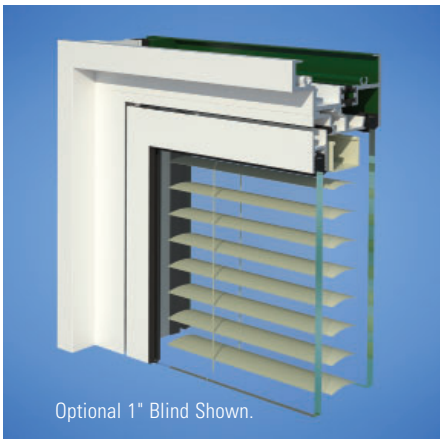
YOW 350 T

SYSTEM SPECIFICATIONS

System Sightline	Base Depth	Glazing & Config	Glass	Air Infiltration	Water Infiltration	Acoustical Performance
2"	3-1/2"	Insulating & Casement Out, Project Out or Fixed	1" IGU with Low-E (C.O.G. U-factor: 0.29)	0.10 CFM/FT² (1.85 m³/h·m²) @ 6.24 PSF (299 Pa)	**Operable:** 12 PSF (575 Pa) **Fixed:** 15 PSF (718 Pa)	**Case STC:** 33 **Case OITC:** 26
						Project STC: 38 **Project OITC:** 30
						Fixed STC: 31 **Fixed OITC:** 31
Testing Standards				ASTM E 283	ASTM E 331 & AAMA 501	ASTM E 90 & 1332
Structural Performance				AAMA/WDMA/CSA 101/I.S. A440-05 AW Performance Grade 80 (Operable) AW Performance Grade 100 (Fixed)		
Available Finishes				Factory Anodized (AAMA 612) and Organic Paints (AAMA 2604 & AAMA 2605)		

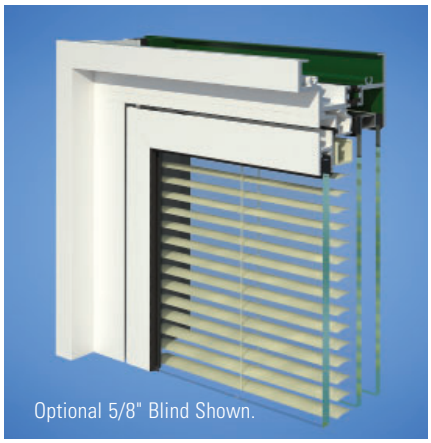
Thermal Performance						
1" IGU						**BTU/hr·ft2·°F**
C.O.G U-Factor	0.30	0.28	0.26	0.24	0.22	0.20
Fixed	0.41	0.40	0.38	0.37	0.35	0.33
Project Out	0.52	0.51	0.50	0.49	0.48	0.47
Casement Out	0.53	0.52	0.51	0.50	0.49	0.48
Testing Standards	AAMA 507					

CRF	
Frame	**Glass**
63	78
50	70
55	67
AAMA 1503	



Dual Glazing

This option gives improved acoustical performance through the use of increased air space and the addition of laminated glass in the exterior lite.



Triple Glazing

This option replaces the monolithic exterior lite of the dual glazed window with a one inch insulating unit – providing improved thermal efficiency.

Benefits of Blinds that are Between the Glass:

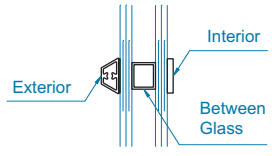
Custodial access to the blinds provides consistent performance across the building and eliminates the "checkerboard effect" on the building's exterior.

Blinds stay virtually dust-free, eliminating the need for cleaning.

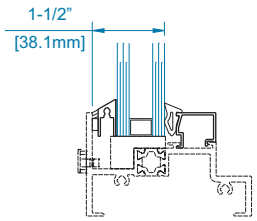
Allows for variable control of solar heat gain.

Light colored blinds provide a "light shelf" effect during most of the daylight hours.

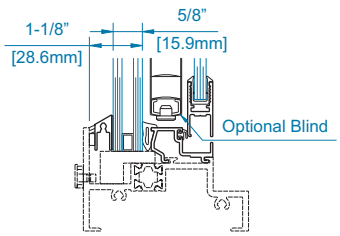
MUNTIN OPTIONS



Simulated Divided Lite
(Only With 1" Insulating Glass)



1" Insulating Glass With Applied Muntin



Triple Glazing With Applied Muntin

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at:
www.ykkap.com/commercial/product/architectural-windows/yow-350-t/

270 Riverside Pkwy, Suite 100, Austell, GA 30168 Tel: 678-838-6000