

YES SSG TU Vent

Zero Sightline, Thermally Broken Vent for Storefront and Wall Systems



OPERABLE WINDOWS

Bringing the Outside In

The YES Structural Silicone Glazed (SSG) TU Vent seamlessly blends with the surrounding framing system to become virtually invisible when viewed from a distance. This vent meets the 2012 International Energy Conservation Code (IECC) through Zone 6 with standard Low E (U = 0.29 COG). In addition to exceptional thermal performance and condensation resistance in a vent product, this system also provides AW PG 65 for advanced structural performance.

Product Options & Features

- Glass is bonded to vent's frame without need for additional retainers, providing a clean look
- Designed for use with Storefront, Window Wall and Curtain Wall applications
- Thermally broken using ThermoBond Plus®
- Configurations: Casement Out or Project Out
- Better Thermal Performance with 1" IGU
- Factory glazing and screens available
- YKK AP Heavy Duty, Stainless Steel hinges and Standard White Bronze cast locking hardware
- Vent and Frame Multi-Point Locks available

U-Factor Values as low as 0.34*

CRF Minimum 69_{frame} & 69_{glass}

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



Quality
inspires®



YES SSG TU Vent

SYSTEM SPECIFICATIONS

System Sightline	Base Depth	Glazing	Air Infiltration	Water Infiltration	Acoustical Performance
0"	2-3/4"	1" IGU with Low-E (C.O.G. U-factor: 0.29)	0.10 CFM/FT ² (1.85 m ³ /h·m ²) @ 6.24 PSF (299 Pa)	Static: 15 PSF (720 Pa) Dynamic: 15 PSF (720 Pa)	Std STC: 32 Std OITC: 25 Lam STC: 35 Lam OITC: 28
Testing Standards			ASTM E 283	ASTM E 331 & AAMA 501	ASTM E 90 & ASTM E 1425
Structural Performance			AAMA/WDMA/CSA 101/I.S.2/A440-11 AW Performance Grade 65		
Available Finishes			Factory Anodized (AAMA 612) and Organic Paints (AAMA 2604 & AAMA 2605)		

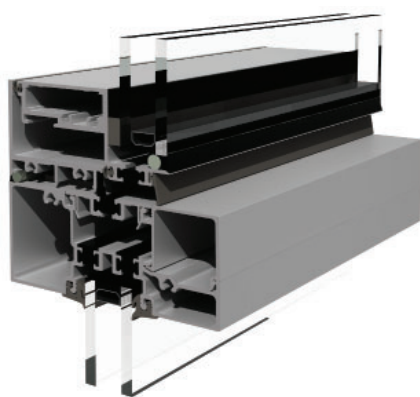
Thermal Performance						
1" IGU	BTU/hr·ft ² ·°F					
C.O.G U-Factor	0.30	0.28	0.26	0.24	0.22	0.20
Awning (Outswing)	0.42	0.40	0.39	0.37	0.35	0.34
Casement (Outswing)	0.41	0.40	0.38	0.37	0.35	0.34
Testing Standards	AAMA 507					

CRF	
Frame	Glass
69	69
70	70
AAMA 1503	

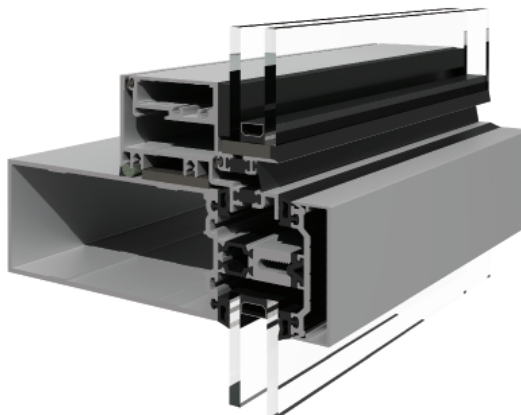
NOTE: Performance above is for the flat frame, contact YKK AP for pocket frame in curtain wall.

DESIGN FLEXIBILITY

The YES SSG TU Vent is designed as a standard product offering with sizes up to 37" x 61" (or 61" x 37"). This thermally broken vent is compatible with YKK AP's most popular framing systems (examples below). Additional testing was conducted to support custom and oversize applications up to 70" x 66" with additional hardware and a pocket frame for curtain wall applications.



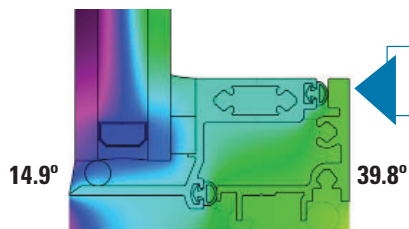
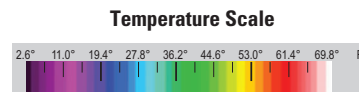
Flat Frame with YES 45 XT Storefront



Pocket Frame with YCW 750 XT Curtain Wall

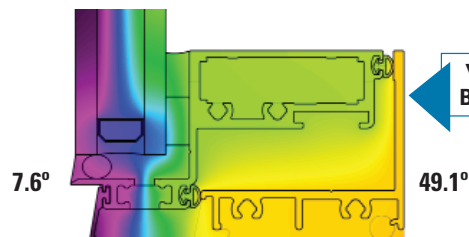
THERMAL IMAGING

Frame temperature comparison values based on 0° exterior and 69.8° interior air temperatures.



Non-thermal YES SSG Vent

Non-Thermal SSG Vent



Thermal YES SSG TU Vent

YES SSG TU SSG Best in Class Vent

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at:

www.ykkap.com/commercial/product/architectural-windows/yes-ssg-tu-vent/