**YES SSG TU Vent**

Zero Sightline, Thermally Broken Vent for Storefront and Wall Systems

**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 ThermaBond 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.
SYSTEM SPECIFICATIONS

<table>
<thead>
<tr>
<th>System Sightline</th>
<th>Base Depth</th>
<th>Glazing</th>
<th>Air Infiltration</th>
<th>Water Infiltration</th>
<th>Acoustical Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°</td>
<td>2-3/4&quot;</td>
<td>1&quot; IGU with Low-E</td>
<td>0.10 CFM/FT² (1.85 m³/h·m²)</td>
<td>Static: 15 PSF (720 Pa) Dynamic: 15 PSF (720 Pa)</td>
<td>Std STC: 32 Lam STC: 35 Std OITC: 25 Lam OITC: 28</td>
</tr>
</tbody>
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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

<table>
<thead>
<tr>
<th>1&quot; IGU</th>
<th>BTU/hr·ft²·°F</th>
<th>CRF</th>
<th>Frame</th>
<th>Glass</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.O.G. U-Factor</td>
<td>0.30 0.28 0.26 0.24 0.22 0.20</td>
<td>69 69</td>
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<tr>
<td>Awning (Outswing)</td>
<td>0.42 0.40 0.39 0.37 0.35 0.34</td>
<td>70 70</td>
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<tr>
<td>Casement (Outswing)</td>
<td>0.41 0.40 0.38 0.37 0.35 0.34</td>
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<tr>
<td>Testing Standards</td>
<td>AAMA 507</td>
<td>AAMA 1503</td>
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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.

THERMAL IMAGING

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

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/