Product Description

YKK AP’s family of storefront products is now more versatile with the addition of an energy efficient front set product. The YES 45 TU Front Set was designed for excellent thermal performance with standard* Low E insulating glass. Hinged mullions coupled with 90° or 135° inside/outside corners allow creative freedom when curves and angles are part of the design.

The Glass is set to the front to maximize energy performance and blend with the aesthetics of curtain wall. The system can be glazed from either the interior or exterior as required.

Product Options & Features

- Excellent thermal performance utilizing standard 1” insulating glass
- Patented ThermaBond Plus® thermal break
- Structural Silicone Glazed (SSG) Option
- High Performance Sill Flashing
  - No Blind Seals
  - Tall back leg for enhanced water resistance
  - Patented 3-point attachment of end dam
- Assembled with either our Screw Spline or Shear Block Technology

**U-Factor** Values as low as 0.32*

<table>
<thead>
<tr>
<th>CRF</th>
<th>Minimum 68 frame &amp; 64 glass</th>
</tr>
</thead>
</table>

*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 &amp; Config</th>
<th>Glass</th>
<th>Air Infiltration</th>
<th>Water Infiltration</th>
<th>Acoustical Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>4-1/2&quot;</td>
<td>SSG, Inside or Outside &amp; Front Set</td>
<td>1&quot; IGU with Low-E (C.O.G. U-factor: 0.29)</td>
<td>0.06 CFM/FT² (1.10 m³/h·m²) @ 6.24 PSF (299 Pa)</td>
<td>Static: 12 PSF (575 Pa)</td>
<td>Std STC: 32</td>
</tr>
<tr>
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<td>Lam STC: 36</td>
</tr>
</tbody>
</table>

**Testing Standards**
- ASTM E 283
- ASTM E 331 & AAMA 501
- ASTM E 90 & 1425

**Installation Options**
- Screw Spline or Shear Block with Monolithic or Insulating Glass

**Available Finishes**
- Factory Anodized (AAMA 612) and Organic Paints (AAMA 2604 & AAMA 2605)

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**Thermal Performance**

<table>
<thead>
<tr>
<th>1&quot; IGU</th>
<th>BTU/hr·ft²·°F</th>
<th>CRF</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>Frame 68</td>
</tr>
<tr>
<td>2&quot; x 4-1/2&quot;</td>
<td>0.40 0.38 0.37 0.35 0.33 0.32</td>
<td>Glass 64</td>
</tr>
</tbody>
</table>

**Testing Standards**
- AAMA 507

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