YES 45 TU
Thermally Broken, Center Set Storefront System

Product Description
The YES 45 TU is a thermally broken, center set, flush glazed storefront system for insulating glass. The system is thermally broken by means of a poured and debrided pocket that employs a patented process, ThermaBond Plus®, to greatly improve adhesion of the polyurethane to the extruded aluminum. Combining science and technology, ThermaBond Plus® resolves the problem of adhesion and the resulting dry shrinkage associated with typical poured and debrided systems.

Product Options & Features
- Excellent thermal performance utilizing standard 1" insulating glass
- Patented ThermaBond Plus® thermal break
- 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
- Integrates with our Model 20D/35D/50D Doors
- Values as low as 0.32*
- Minimum 57 frame & 62 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 &amp; Config</th>
<th>Glass</th>
<th>Air Infiltration</th>
<th>Water Infiltration</th>
<th>Acoustical Performance</th>
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<tbody>
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<td>2”</td>
<td>4-1/2”</td>
<td>Inside or Outside &amp; Center Set</td>
<td>1” 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: 31&lt;br&gt;Std OITC: 26&lt;br&gt;Lam STC: 35&lt;br&gt;Lam OITC: 29</td>
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**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
- Factory Anodized (AAMA 612) and Organic Paints (AAMA 2604 & AAMA 2605)

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

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**SILL FLASHING**
- No Secondary penetration of sill and flashing.
- 2” back leg on sill flashing – enhanced water resistance in the field and in field water testing.
- Three point attachment of end dam, with two patented screw splines.
- No sill anchoring required if end reaction is less than 500 lbs.
- Sill flashing and end dams can be assembled and sealed in the shop. Much more secure during transport to job site.
- New silicone sill flashing splice sleeve seals more reliably and with less “bump”.

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**THERMALLY BROKEN**

TheraBond Plus® process is a pour and debrided process that greatly improves the adhesion of the polyurethane material to the aluminum extrusion. Combining science and technology, TheraBond Plus® process resolves the problem of adhesion and the resulting dry shrinkage associated with typical poured and debrided systems.

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at: www.ykkap.com/commercial/product/storefronts/yes-45-tu-center-set/