Product Description
The YUW 750 TU is a unitized wall system with polyamide plates designed to be assembled and glazed in a climate controlled environment for increased quality assurance of critical seals. Complete units are then shipped directly to the jobsite permitting rapid installation and dry-in of low to mid-rise commercial buildings. The YUW 750 TU also easily interfaces with sun shades for a greater sustainable design solution.

Product Options & Features
- Versatile Framing Design with captured and 4-sided structural silicone glazing (SSG)
- Polyamide and Barriers minimize Heat Transfer
  - Improved Occupant Comfort
  - Increased Condensation Resistance
- 90° inside and outside corners
- 3-way adjustable curtain wall anchors
- Simplified dimensions for frame and glass ease installation and gives an even, aesthetic look
- Dual Finish Capability (inside / outside finish)
- Optional substituted aluminum thermal barriers (required for Florida Product Approval)

**U-Factor**
Values as low as 0.31*

**CRF**
Minimum 72 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 &amp; Config</th>
<th>Glass</th>
<th>Air Infiltration</th>
<th>Water Infiltration</th>
<th>Acoustical Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-1/2”</td>
<td>7-1/2”</td>
<td>Outside or SSG &amp; Front 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: 20 PSF (958 Pa) Dynamic: 20 PSF (958 Pa)</td>
<td>Captured: Std STC: 32 Lam: 36 Std OITC: 27 Lam: 30</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>SSG: Std STC: 33 Lam: 36 Std OITC: 27 Lam: 30</td>
</tr>
</tbody>
</table>

**Testing Standards**
- ASTM E 283
- ASTM E 331 & AAMA 501.1
- ASTM E 90 & 1425

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

## Thermal Performance

<table>
<thead>
<tr>
<th>1” IGU</th>
<th>C.O.G U-Factor</th>
<th>BTU/hr·ft²·°F</th>
<th>Captured Polyamide</th>
<th>0.30</th>
<th>0.28</th>
<th>0.26</th>
<th>0.24</th>
<th>0.22</th>
<th>0.20</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Captured Polyamide</td>
<td>0.59</td>
<td>0.58</td>
<td>0.56</td>
<td>0.54</td>
<td>0.52</td>
<td>0.51</td>
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<tr>
<td></td>
<td>SSG Polyamide</td>
<td>0.40</td>
<td>0.39</td>
<td>0.37</td>
<td>0.35</td>
<td>0.34</td>
<td>0.33</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Captured Aluminum</td>
<td>0.41</td>
<td>0.40</td>
<td>0.38</td>
<td>0.36</td>
<td>0.35</td>
<td>0.33</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SSG Aluminum</td>
<td>0.41</td>
<td>0.39</td>
<td>0.37</td>
<td>0.36</td>
<td>0.35</td>
<td>0.33</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Testing Standards**
- AAMA 507

## Acoustical Performance
- Captured: Std STC: 32 Lam: 36 Std OITC: 27 Lam: 30
- SSG: Std STC: 33 Lam: 36 Std OITC: 27 Lam: 30

**Testing Standards**
- AAMA 507

## Additional Information
- Testing Standards
- Available Finishes
- System Specifications
- Frame temperature comparison values based on 0° exterior and 70° interior temperatures.

**Polyamide Plate - Captured / Gasket - SSG**
- Maximizes expansion / contraction; helps with insulation

**THERMALLY BROKEN**
- Pour & Debrided barrier provides separation for thermal performance

**Pressure Equalization**
- System manages water penetration through equalization

**Two Piece Head Design**
- Provides square cuts for horizontal members in lieu of notching

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04-5026-03

Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at:  
www.ykkap.com/commercial/product/curtain-walls/yuw-750-tu/