CURTAIN WALL SYSTEM

Product Description
The popular YCW 750 family of products has been expanded to include 4-side structural silicone cassette glazing. This stick built system is designed for glazing in a climate controlled environment for increased quality assurance of critical seals. Shop glazed cassettes interlock with integral 2 or 4-sided toggle adapters on horizontals to create full width engagement top and bottom.

Product Options & Features
- 4-side structural silicone shop cassette glazing
- 4-Side captured (YCW 750 OG & IG) integration
- 90° inside and outside corners
- Accommodates splayed wall designs
- Structural setting block chairs
- Dual Finish capability (Interior & Exterior) with a variety of face covers available
- Sealant is used by default and 3M™ VHB™ Structural Glazing Tape is supported as an alternative

U-Factor
Values as low as 0.28*
CRF
Minimum 74 frame & 65 glass

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

<table>
<thead>
<tr>
<th>System</th>
<th>Base</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>Sightline</td>
<td>Depth</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-1/2&quot;</td>
<td>7-1/2&quot;</td>
<td>Shop (Cassette) Glazed, Outside Glazed and 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>4-sided Static: 15 PSF (718 Pa)</td>
<td>Shop Std STC: 33 Shop Std OITC: 26</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4-sided Dynamic: 15 PSF (718 Pa)</td>
<td>Shop Lam STC: 37 Shop Lam OITC: 31</td>
</tr>
</tbody>
</table>

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

**Optional Depths**
- 4-sided: 5” to 10-3/8”

**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>
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<tbody>
<tr>
<td>C.O.G U-Factor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.30</td>
<td>0.28</td>
<td></td>
</tr>
<tr>
<td>0.26</td>
<td>0.24</td>
<td></td>
</tr>
<tr>
<td>0.22</td>
<td>0.20</td>
<td></td>
</tr>
</tbody>
</table>

| 2-Sided Shop    |              |     |
| 0.40            | 0.59         |     |
| 0.37            | 0.55         |     |
| 0.34            | 0.52         |     |

| 4-Sided Shop    |              |     |
| 0.57            | 0.55         |     |
| 0.35            | 0.32         |     |
| 0.50            | 0.28         |     |

**Testing Standards**
- AAMA 507

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**SHOP GLAZED OPTION**

- Curtain Wall framing erected on site.
- Glass is structurally silicone glazed to an aluminum carrier frame or cassette, in a clean, temperature controlled shop environment.
- Glazed cassette interlocks with an integral adaptor on the horizontals. Mechanical attachment is completed with installation of rotating toggle locks on verticals (not shown).

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Additional information including CAD details, CSI specifications, Test Reports and Installation instructions are available online at: [www.ykkap.com/commercial/product/curtain-walls/ycw-750-ssg/](http://www.ykkap.com/commercial/product/curtain-walls/ycw-750-ssg/)
### Product Description

The popular YCW 750 family of products has been expanded to include 4-side structural silicone glazing. This stick built system setup is designed for glazing in the field for easy installation. A variety of mullion depths are available as options to meet different performance requirements. 1” glazing is and 1/4” (with adaptor) is available for 2-sided and 1” glazing only for 4-sided.

### Product Options & Features

- 2-side or 4-side structural silicone glazed in field
- 4-Side captured (YCW 750 OG & IG) integration
- 90° inside and outside corners
- Accommodates splayed wall designs
- Dual Finish capability for 2-sided (Interior & Exterior) with a variety of face covers available
- Sealant is used by default and 3M™ VHB™ Structural Glazing Tape is supported as an alternative

### U-Factor

**Values as low as 0.30**

**CRF**

*Minimum 74 frame & 68 glass*

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

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<tr>
<th>System Sightline</th>
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<tr>
<td>2-1/2&quot;</td>
<td>7-1/2&quot;</td>
<td>Field Glazed, Outside Glazed &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>2-sided Static: 20 PSF (957 Pa) 2-sided Dynamic: 20 PSF (957 Pa)</td>
<td>2-sided Std STC: 33 2-sided Std OITC: 26 2-sided Lam STC: 35 2-sided Lam OITC: 29 4-sided Static: 15 PSF (718 Pa) 4-sided Dynamic: 15 PSF (718 Pa)</td>
</tr>
</tbody>
</table>

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

**Optional Depths**
- 2-sided: 5-1/4" to 7-1/2"
- 4-sided: 5-1/16" to 9-9/16"

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

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**Thermal Performance**

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<td>0.30 0.28 0.26 0.24 0.22 0.20</td>
</tr>
<tr>
<td>2-Sided Field</td>
<td>0.40 0.39 0.37 0.35 0.34 0.32</td>
</tr>
<tr>
<td>4-Sided Field</td>
<td>0.58 0.57 0.55 0.53 0.51 0.50</td>
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**CRF**
- Frame: 74 76
- Glass: 68 69

**FIELD GLAZED OPTION**

For the Field Glazed option, the glazing is set right against the horizontal mullion using silicone as opposed to the Shop Glazed option, which glass panels are set up inside cassette pieces and inserted into the pocket in the horizontal mullion and secured with toggles.

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2-sided can have 1/4" or 1" Glass

4-sided is 1" Glass only

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