

# YKK ap<sup>®</sup>

www.ykkap.com



Lake Nona Wave Hotel - Orlando, FL

## YCW 750 SplineTech<sup>®</sup>

Outside Glazed Curtain Wall System  
with Screw Spline Installation

The **YCW 750 SplineTech<sup>®</sup>** shares many of the same features, options, and accessories with the YCW 750 OG, but it is designed for alternate fabrication. All of the intermediate horizontal members are attached employing our screw spline technology. This reduces fabrication labor, and enables the wall to be pre-assembled for glazing in the shop.

- 2-Sided SSG option at the verticals
- Dual finish capability for different exterior and interior colors
- Open back head and sill members for ease of installation
- Verticals can be punched to attach horizontal members
- Low Profile Door Sub-Frames for Entrances

### Configuration:

| Glazing       | Glass Setting | Installation |
|---------------|---------------|--------------|
| Outside / SSG | Front Set     | Screw Spline |

### Thermal Values:

|                  |   |
|------------------|---|
| <b>U-Factor:</b> | Values as low as <b>0.45*</b>               |
| <b>CRF:</b>      | Minimum <b>67</b> frame and <b>71</b> glass |

\*Based on NFRC 102. Lower values may be achieved through further simulation.

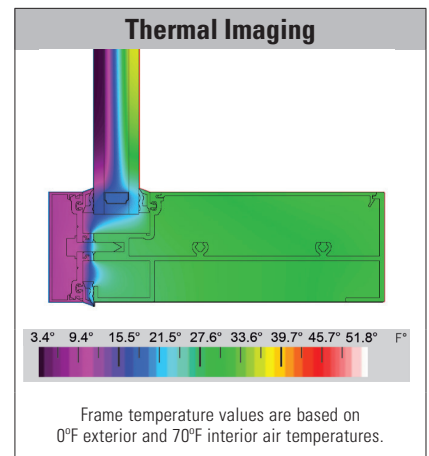


| YCW 750 SPLINETECH® SPECS |  |                          |
|---------------------------|--|--------------------------|
| Base Depth                | 7-1/2"   |                          |
| Sightline                 | 2-1/2"   |                          |
| Config                    | Outside & 2-Sided SSG / Front Set  |                          |
| Tested Glass              | 1" IGU with Low-E<br>(C.O.G. U-Factor: 0.29)   |                          |
| Test                      | Results  | Standards                |
| Air Infiltration          | 0.06 CFM/FT <sup>2</sup> (1.10 m <sup>3</sup> /h·m <sup>2</sup> )<br>@ 6.24 PSF (299 Pa) | ASTM E 283               |
| Water Infiltration        | <b>Static:</b> 15 PSF (718 Pa)<br><b>Dynamic:</b> 15 PSF (718 Pa)                        | ASTM E 331<br>AAMA 501   |
| Acoustical<br>(1" IGU)    | <b>Standard STC:</b> 31<br><b>Standard OITC:</b> 26                                      | ASTM E 90<br>ASTM E 1425 |
|                           | <b>Laminated STC:</b> 34<br><b>Laminated OITC:</b> 28                                    |                          |

| Thermal Performance |       |
|---------------------|-------|
| CRF                 |       |
| 67                  | 71    |
| Frame               | Glass |
| AAMA 1503           |       |

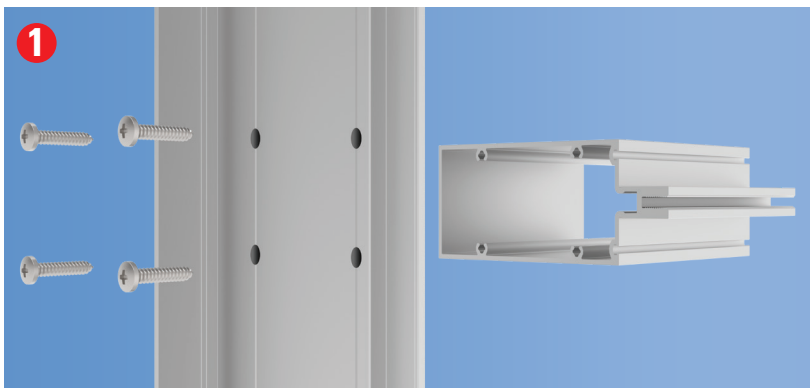
| Finish Options   |                        |
|------------------|------------------------|
| Type             | Standard               |
| Factory Anodized | AAMA 612               |
| Organic Paints   | AAMA 2604<br>AAMA 2605 |

| Mullion Depth Options |  |
|-----------------------|--|
| with 1/4" Glass       |  |
| 5-1/4" or 6-3/4"      |  |
| with 1" Glass         |  |
| 6" or 7-1/2"          |  |

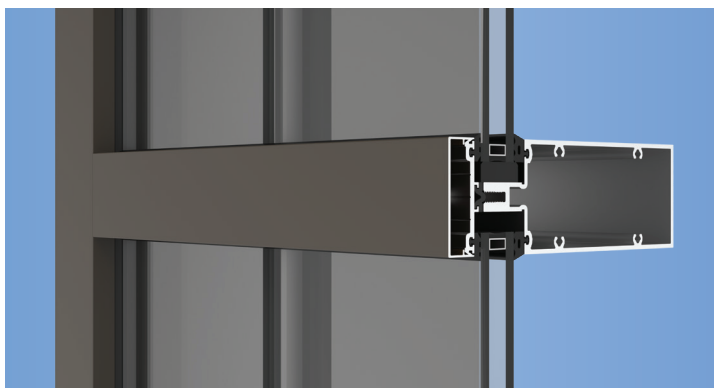


## Screw Spline Assembly

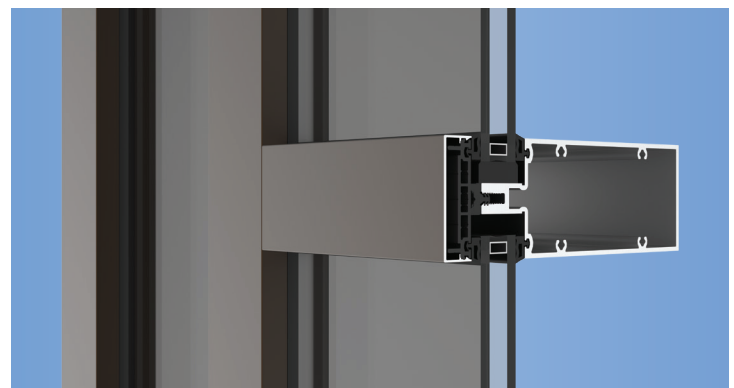
① Screws are fastened right into the horizontal mullions through the side of the verticals. ② After the units are assembled, they can be joined together at the vertical mullions and the glazing completed. Screw spline systems are an alternative to install curtain wall instead of shear blocks.



## Additional System Configurations



**2-Sided SSG Vertical Glazing**  
For aesthetic/structural differences



**Polyamide Pressure Plates**  
For greater thermal performance

Additional information including CAD details, CSI specs, test reports and installation instructions are found on the Product Guide by clicking this link or visiting [www.ykkap.com/commercial/productguide](http://www.ykkap.com/commercial/productguide)