Signature Series—3-1/4" Lap

The Signature Series 3-1/4" Lap utilizes Polyamide thermal break technology allowing for dual color and finish combinations. Lap sash-to-frame design utilizes state of the art manufacturing techniques to deliver performance, configurations, flexibility, competitive cost and reduced lead times.

**Signature Series 3-1/4" Lap Features**
- 3-1/4" Frame Depth
- Tubular Sash and Meeting Rails
- Extruded screw spline joinery
- Corner Keyed Sash
- Multiple Anchor Options
- Backbed Glazing
- Lap Sash to Frame
- Polyamide Struts

**Signature Series 3-1/4" Lap Benefits**
- Rugged Architectural Performance
- Strength and Durability
- Ease of Installation
- Provides Increased Resistance to Air and Water
- High Thermal Requirements and Dual Finish Capabilities for Anodize or Paint

**Product Data**

<table>
<thead>
<tr>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>AAMA/WDMA/CSA 101/I.S.2/A440-11 – Architectural</td>
</tr>
<tr>
<td>AAMA Designation Configuration – AW-100 Fixed, Hopper, Awning, Casement</td>
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</tbody>
</table>

**AAMA Air, Water and Structural Testing**

<table>
<thead>
<tr>
<th>Test Size</th>
<th>Allowable Air</th>
<th>Uniform Load Deflection</th>
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<tbody>
<tr>
<td>AAMA 101</td>
<td>MAX 0.10 CFM/LF @ 6.24</td>
<td>100 PSF</td>
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<tr>
<td>Water 15 PSF</td>
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<td></td>
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<tr>
<td>Uniform Load Structural 150 PSF</td>
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**CRF and ‘U’ Value**

<table>
<thead>
<tr>
<th>CRF</th>
<th>U-Value</th>
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<tbody>
<tr>
<td>CRF 55-74 (Estimated)</td>
<td>U 0.30 – 0.58</td>
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**Construction**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Fabrication</th>
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<tbody>
<tr>
<td>3-1/4&quot;</td>
<td>Machined, Mechanically Fastened and Sealed</td>
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</table>

**Thermal Barrier**

<table>
<thead>
<tr>
<th>Separation</th>
<th>Design</th>
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<tbody>
<tr>
<td>1-3/16&quot;</td>
<td>Two Strips-Crimped in Place, 6/6 Reinforced Polyamide</td>
</tr>
</tbody>
</table>

Oldcastle BuildingEnvelope®  Engineering your creativity™
### Configurations

#### Size Limitations:

- **Minimum Frame Size:**
  - Hoppers: 14” x 14”
  - Awnings: 14” x 14”
  - Casement: 19” x 26”

- **Maximum Frame Size:**
  - Hoppers: 74” x 50” (max. 20 sq/ft)
  - Awnings: 74” x 74” (max. 24 sq/ft)
  - Casement: 50” x 74” (max. 24 sq/ft)

*Note: Minimum and maximum sizes are dependent on hardware package that is used*

#### Standard Hardware:

- 4-Bar Hinges and Cams at Awning and Hoppers
- Butt Hinges, Friction Device, Keepers at Casement
- Optional Available Hardware: Rotos and Custodial Locking, and Multi-Point Locking

#### Blinds:

- Hinged or Lift-Off Access Doors
- 5/8” or 1” Blinds with Pull Cord

#### Muntins:

- True and In-Between Glass

#### Screens:

- Flat, Sliding Wicket or Hinged

#### Trim:

- Receptors, Subsills, Mullions, Nail-Fin, Extended Leg, Panning and Caulk Backer

#### Finishes:

- Anodize
- Paint 70% Kynar® (Conforming to AAMA 2605)

### Product Data (continued)

#### Glazing

- **Location** – Factory or Field
- **Method** – Wet/Dry/Backbed
- **Installation** – Interior Glazed

#### Screens

- **As Specified** – Flat, Sliding Wicket or Hinged

#### Hardware

- **Manufacturers Standard** – 4-Bars and Cams, Butts, Friction Device Keepers

#### Finish

- **As Specified** – Anodized or Painted

#### Warranty

- **As Specified** – 2, 5 or 10 Years (2 Years Standard)