Natural wood interior, durable aluminum exterior.

Wood curtain walls, or timber walls, innovatively combine the warmth and beauty of a natural wood interior with the durability and longevity of an aluminum exterior to create the perfect solution for those seeking a high-performing, sustainable building system. This exterior aluminum system creates a superior barrier from the elements, limiting the wood's exposure to any type of precipitation or wind, and dependably maintains a high level of performance through positive drainage principles. Solar Innovations® Wood Curtain Walls are pressure equalized systems which are achieved by overlapping the horizontal profiles with the vertical profiles. The unobstructed flow from horizontal to vertical is key to the construction of this pressure equalized curtain wall.

FEATURES

FEATURES:
- Outside set, pressure glazed system
- Completely factory engineered & fabricated
- Multiple profile width and depth options
- Custom designed shear blocks for easy assembly
- Multiple glulam and solid wood species available
- FSC® certified wood available upon request
- Aluminum horizontal members option
- LEED friendly system including recycled content
- Designed and manufactured in the U.S.A.

PERFORMANCE:
- Large missile impact tested
- Natural thermal properties of wood insulates for higher energy efficiency
- Test results available upon request

GLAZING:
- Accommodates glazing infills from 3/16" to 1 1/2"; thicker glass options depending on engineering
- Two or four sided structurally glazed options

OPTIONS

FINISHES:
- Standard wood/glulam finishes
  - White Oak, Red Oak, Hard Maple, White Ash
  - Cherry, Douglas Fir, Sapele Mahogany, Walnut
- Standard aluminum finishes
  - AAMA 2603: Bronze, White
  - AAMA 611 Class I Anodized: Clear, Dark Bronze
- Designer aluminum finishes
  - AAMA 2603: Hartford Green, Black
  - Natural, Clay, Sandstone
- Custom finishes
  - Powder coat finish: AAMA 2604 - 2605
  - Fluoropolymer (50% or 70%): AAMA 2604 - 2605
  - Metal cladding and foiling options for exterior finish

ACCESSORIES:
- Door & window system integration options
- Multiple decorative cover caps in aluminum or wood
- Custom milled or shaped wood members possible
- Photovoltaic panel inserts (BIPV)
2" WOOD CURTAIN WALL DETAILS

Head Detail

Sill Detail

2" WOOD 4 SIDED STRUCTURALLY GLAZED CURTAIN WALL DETAILS

Head Detail

Sill Detail

TESTING

Air and Structure Impact Testing

<table>
<thead>
<tr>
<th>TEST NUMBER</th>
<th>PANEL SIZE</th>
<th>CERTIFICATION</th>
<th>DESIGN PRESSURE</th>
<th>AIR AT 6.24 PSF</th>
<th>WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>13582.1 (FL) 110-11055-1(NCTL)</td>
<td>4¼' x 8¼'</td>
<td>Florida</td>
<td>± 60psf</td>
<td>0.09 cfm/ft²</td>
<td>9psf</td>
</tr>
</tbody>
</table>

To find out more about the features and options of our Wood Curtain Walls, visit our website at solarinnovations.com/wood-curtain-walls/

Please Note:
Testing and performance results may vary depending upon sill, size, and hardware selections. Please be sure to visit our website at www.solarinnovations.com or contact your Solar Innovations® representative for additional product information.

Additional testing (non-impact) available upon request.

COVER CAP OPTIONS

- Flat Cap
- Beveled Cap
- Fluted Cap
- Concave Cap
- Double Ogee Cap
- Wood Cap
### DESIGN OPTIONS

In addition to Solar’s wood interior/aluminum exterior system, we also offer a variety of design options for a truly custom wood curtain wall. For an all wood style, a wood cover cap can be used on the exterior side. Structurally glazed options allow for a flush exterior with no caps.

![Wood Facade System](image)
**Wood Facade System** (Standard Option)

![Wood Facade with Wood Cover Cap](image)
**Wood Facade with Wood Cover Cap** (Available for interior walls/sheltered walls)

![2-Sided Structurally Glazed Wood Facade](image)
**2-Sided Structurally Glazed Wood Facade**

![4-Sided Structurally Glazed Wood Facade](image)
**4-Sided Structurally Glazed Wood Facade**

![Wood and Aluminum Facade System](image)
**Wood and Aluminum Facade System**

### FINISH OPTIONS

#### Wood/Glulam

<table>
<thead>
<tr>
<th>Standard</th>
<th>Designer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red Oak</td>
<td>Douglas Fir</td>
</tr>
<tr>
<td>White Ash</td>
<td>Cherry</td>
</tr>
<tr>
<td>Hard Maple</td>
<td>Sapele Mahogany</td>
</tr>
<tr>
<td>White Oak</td>
<td>Walnut</td>
</tr>
</tbody>
</table>

#### Paint

- **Standard** - AAMA 2603 (5 year warranty). Finishes available while in stock.
- **Designer** - AAMA 2604 (5 year warranty), AAMA 2605 (10 year warranty; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*

#### Anodized

- Additional cost

#### Powder Coat Solids

- AAMA 2604, AAMA 2605* (10 year warranty)
- AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*

#### Powder Coat Metallics

- AAMA 2604, AAMA 2605* (10 year warranty)
- AAMA 2605 (10 year; up to 20 year warranty). Scratch & fade resistant; contains no VOCs.*

#### Metal Clad

- **Standard**
- **Designer**

#### Decoral Finishes (Powder Coat)

#### Wood Veneering (Unfinished)

- **Standard**
- **Designer**

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*Note: Depending upon color selection, additional charges and increased lead times may apply. Extended warranties and service plans are available for an additional charge. Examples are shown as accurate as photography and printing processes allow. Final finish selection should be made from a physical sample; contact Solar Innovations® for details. Solar Innovations® reserves the right to discontinue any option at any time without notice. Additional options, including custom color match, are available; contact Solar Innovations® for details. FSC options available.*