Ready to try them out?

Technical Leadership

We recognize the importance of a technical support team with over 70 years of combined hands-on experience. Our team is one of the most recognized and respected in the industry. We welcome your calls and encourage you to contact us if you have any questions or concerns regarding any of our wood adhesives.

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E marketing@franklininternational.com

We’re ready to help you put your windows together with our high performing wood adhesives. Call 1.800.877.4583 to connect with an account manager today.

Experience
Advantage Adhesives
for Wood Windows.
Our experience in this market culminates in a set of top-performing wood window adhesives which draws on three proven adhesives in the Advantage family of products: Advantage 415, Advantage 425 and Advantage EP-925. Together the Trio provides window manufacturers with the ideal window adhesive solution.

**Specific attributes of the Advantage line**
- Superior performance in radio frequency applications
- Durability to withstand exposure to high temperature and humidity
- Some of the highest performing products on the market as measured by ASTM and Hallmark standards
- Low minimum use temperature

Franklin Adhesives & Polymers offers the Advantage Trio which draws on three proven adhesives in the Advantage family of products: Advantage 415, Advantage 425 and Advantage EP-925. Together the Trio provides window manufacturers with the ideal window adhesive solution.

“Experience the Advantage”

Franklin Adhesives & Polymers’ Advantage line of products features high-performance two-component cross-linking PVA adhesives, offering water-resistance and versatility of application. The Advantage line can be used for lamination and finger jointing as well as edge and face gluing.

**Specifications**
- **Advantage 415**
  - Water-resistant
  - Good spreader stability
  - Low foaming compared to other traditional EPI adhesives
  - Good spreader stability

- **Advantage 425**
  - Low minimum use temperature
  - Easy to extrude
  - Highly water-resistant

- **Advantage EP-925**
  - Uses with cold or hot press and radio frequency equipment
  - Excellent water, heat and solvent resistance

Some of the highest performing products on the market as measured by ASTM and Hallmark standards.

**Exceeding industry standards**
- **ASTM D-905 Block Shear (Maple)**
  - Tested after 7 days conditioning at 75˚F and after 18 hours at 150˚F

- **ASTM D-5572-99 wet use finger joint**
  - Tested after 7 days conditioning at 75˚F and after 18 hours at 150˚F

- **ASTM D-5572-99 wet use tension**
  - Tested after 7 days conditioning at 75˚F and after 18 hours at 150˚F

- **ASTM D-5572-99 wet use flexure**
  - Tested after 7 days conditioning at 75˚F and after 18 hours at 150˚F

- **ASTM D-5572-99 wet use laminate**
  - Tested after 7 days conditioning at 75˚F and after 18 hours at 150˚F

Franklin’s adhesives designed for window components. Some of the industry’s most recognized window brands use this product.

**Meeting industry standards**
- **ASTM D-905 Block shear**
  - Tested after 7 days conditioning at 75˚F and after 18 hours at 150˚F

- **ASTM D-905 Block shear (Maple)**
  - Tested after 7 days conditioning at 75˚F and after 18 hours at 150˚F

Jaye Schroeder
vice president of wood market development
Franklin Adhesives & Polymers
Advantage 415

A highly water-resistant, two-part crosslinking polyvinyl acetate emulsion adhesive with a low minimum use temperature. When mixed with Aluminum Chloride (Catalyst A) the product surpasses both ASTM D-5572 wet use finger joint and ASTM D-5751 wet use laminate standard. These are the basis for Hallmark Certification.  

**Product features**
- Highly water-resistant  
- Low minimum use temperature  
- Longest open time of any of Franklin’s products for windows  
- Adhesive can be used for hot and cold pressing, edge gluing and finger joining as well as radio frequency gluing  

**Advantage 415 can be used for edge gluing, hot pressing finger jointing and radio frequency gluing.**  

The product has the longest open time of any of Franklin’s adhesives designed for window components. Some of the industry’s most recognized window brands use this product.

### Exceeding industry standards*

**ASTM D-5572-99** wet use edge glue / laminate joint, ponderosa pine  

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Spot Pull (psi)</th>
<th>Line Pull (psi)</th>
<th>爆发力 (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry</td>
<td>2681</td>
<td>1600</td>
<td>2000</td>
</tr>
<tr>
<td>Vacuum</td>
<td>2681</td>
<td>1600</td>
<td>2000</td>
</tr>
<tr>
<td>Elevation</td>
<td>2681</td>
<td>1600</td>
<td>2000</td>
</tr>
</tbody>
</table>

*Some adhesives, proper gluing practices are needed to achieve stated performance.

### Meeting industry standards*

**ASTM D-905 Block Shear (Maple)**  

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Strength (psi)</th>
<th>Wood Failure %</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°F</td>
<td>3940</td>
<td>70</td>
</tr>
<tr>
<td>After 16 hours @ 150°F</td>
<td>3195</td>
<td>50</td>
</tr>
</tbody>
</table>

*All adhesives, proper gluing practices are needed to achieve stated performance.

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Tradition of Excellence

We’re proud of Franklin Adhesives & Polymers™ experience in adhesive technology. Our vast knowledge of windows and patio doors provides a strong foundation to serve the industry. Over the years, we’ve designed high-performance adhesives for countless window and patio door applications throughout North America. Our Advantage™ product line designed specifically for wood windows and patio doors is second to none in the industry. Manufacturers can expect water-resistance, heat-resistance and high performance from Franklin’s wood adhesives.

Our commitment to ongoing research and product development results in innovative products created to meet evolving industry needs. We pride ourselves on offering products that are backed by independent laboratory certification according to leading U.S. and international performance standards.
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