The Dependable and Durable Adhesive Choice for RVs, Entry Doors, Garage Doors, Manufactured Homes, SIPs, and more.
FoamNail® and OnePart™:
Trusted names in adhesives from the leader in PU solutions, Foam Supplies, Inc.

Depending upon the type of application you have, FoamNail® and OnePart™ – industrial strength adhesives from Foam Supplies – can meet any challenge. FoamNail® and OnePart™ are a family of urethane adhesives designed with uncompromised quality. Our adhesives have been used successfully in a wide range of industrial and commercial applications, from entry and garage doors, to manufactured homes, RVs, and building components like structural insulated panels (SIPs) and much more.

FoamNail® is a two-part adhesive, while OnePart™ is a moisture cure adhesive. Whichever formula you choose, FoamNail® or OnePart™, you’ll find these adhesives to be environmentally benign, economical and extremely effective. FoamNail® and OnePart™ are VOC exempt, formaldehyde-free and do not contribute to global warming or ozone depletion.

In addition to the physical benefits, our adhesives are substantially lower cost alternatives to other adhesive options. FoamNail® and OnePart™ adhesives also have third party certification for various testing requirements including, but not limited to, IM 022, CA 25-4 Standards and ASTM E72.
PHYSICAL PROPERTIES

- Type: Moisture-Cure Urethane Adhesive
- Color: Brownish
- 100% Solids
- Net Weight: 9.3 lbs/gal
- Viscosity @ 25°C (77°F): 4,300–4,900 cP
- Reactivity Range:
  - Open Time: 30 sec–47 min
  - Set-Up Time: 1 min–95 min
- Storage Temperature: 50–90°F
- Six-month shelf life

KEY BENEFITS

- Good Mechanical Properties
- No Fillers
- Third Party Certified
- Large Range of Reactivities
- Various Delivery Methods
- Worldwide Availability
- Environmentally Benign
  - Zero Global Warming
  - Non Smog Producing
  - Zero Ozone Depleting
  - Formaldehyde Free

CERTIFICATIONS

- CA 25-4 Standards
- ASTM E72-80
- ASTM C557
- ICC-ES AC0005-05
- IM 022/AC05
- IM 036/AC04

Specifications (from PEI Listing Report)

TABLE 1: NOMINAL APPLICATION SPECIFICATIONS

<table>
<thead>
<tr>
<th>Adhesive</th>
<th>Application Method</th>
<th>Adhesive Applied</th>
<th>Water Applied</th>
<th>Ambient Temp</th>
<th>Ambient RH</th>
</tr>
</thead>
<tbody>
<tr>
<td>OnePart-2</td>
<td>Bead or Roll Coat</td>
<td>12 g/ft²</td>
<td>2 g/ft²</td>
<td>73.4°F</td>
<td>50%</td>
</tr>
<tr>
<td>OnePart-20</td>
<td>Bead or Roll Coat</td>
<td>12 g/ft²</td>
<td>2 g/ft²</td>
<td>73.4°F</td>
<td>50%</td>
</tr>
<tr>
<td>OnePart-35</td>
<td>Bead or Roll Coat</td>
<td>12 g/ft²</td>
<td>2 g/ft²</td>
<td>73.4°F</td>
<td>50%</td>
</tr>
<tr>
<td>OnePart-47</td>
<td>Bead or Roll Coat</td>
<td>12 g/ft²</td>
<td>2 g/ft²</td>
<td>73.4°F</td>
<td>50%</td>
</tr>
</tbody>
</table>

TABLE 2: NOMINAL CURING SPECIFICATIONS

<table>
<thead>
<tr>
<th>Adhesive</th>
<th>Relative Humidity</th>
<th>Chemical Temp.</th>
<th>Open Time¹</th>
<th>Closed Time²</th>
<th>Press Time³</th>
<th>Press Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>OnePart-2</td>
<td>50%</td>
<td>75°F</td>
<td>0.5 min</td>
<td>1.0 min</td>
<td>6 min</td>
<td>3 psi</td>
</tr>
<tr>
<td>OnePart-20</td>
<td>50%</td>
<td>75°F</td>
<td>1.25 min</td>
<td>11.25 min</td>
<td>67 min</td>
<td>3 psi</td>
</tr>
<tr>
<td>OnePart-35</td>
<td>50%</td>
<td>75°F</td>
<td>2.25 min</td>
<td>27.75 min</td>
<td>130 min</td>
<td>3 psi</td>
</tr>
<tr>
<td>OnePart-47</td>
<td>50%</td>
<td>75°F</td>
<td>3 min</td>
<td>30 min</td>
<td>180 min</td>
<td>3 psi</td>
</tr>
</tbody>
</table>

¹Open Time is defined as the maximum amount of time elapsed from adhesive application until the adhesive is covered with another substrate.
²Closed Time is the maximum cumulative amount of time elapsed from the adhesive application, when it is covered with another substrate, until the assembly is under pressure.
³Press Time is the minimum amount of time the assembly is maintained under pressure.

To obtain the most current PEI Listing Report visit http://www.p-e-i.com/reports.html
**KEY BENEFITS**
- Good mechanical properties
- Various third party certifications
- Excellent test results
- Pressurized and standard delivery available
- Significantly lower cost option to traditional tube and caulk applications
- Industry best shelf life
- Worldwide availability

**PRESSURIZED DELIVERY BENEFITS**
- Safest delivery system in industry
- Best environmental delivery – little to no material waste
- Reduces human exposure to chemicals
- Reduces parts and maintenance costs for dispensing equipment
- Frees up valuable floor space

**CERTIFICATIONS**
- PEI Standard No. 89-1
- PEI Standard No. 93-7
- PEI Standard No. 93-8
- PEI Standard No. 99-23
- ASTM E72
- ASTM C557
- ASTM E84
- UL-1715

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**EXAMPLE A**
FoamNail® provides a strong adhesive bond when the lumber is straight and fits flush (Example A), and also fills in any gaps when the lumber is warped and cannot fit flush (Example B). (Note: Example A and Example B cross sections were cut from the same lumber/gypsum construction.)

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**EXAMPLE B**

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FoamNail® shown applied along the intersection of the gypsum and the lumber according to FSI application instructions.