



# FRP

## Fiberglass Reinforced Plastic Panel Adhesive

### FRP-310

### Interior

## ***A strong-bonding, low-odor adhesive for interior applications***

### **PRODUCT DESCRIPTION**

LIQUID NAILS® FRP Fiberglass Reinforced Plastic Panel Adhesive, FRP-310, is a strong-bonding, low-odor, low-solvent, high-strength adhesive for interior applications. It features excellent adhesion and low VOC-content.

### **RECOMMENDED FOR**

bonding FRP panels to:

- Cured concrete
- Cement backerboard
- Wood
- Green board
- Drywall

Also recommended for bonding NRP Panels (non-reinforced plastic) to above substrates.

### **NOT RECOMMENDED FOR**

installing panels on painted surfaces, on wallpaper or for exterior use. Other LIQUID NAILS® adhesives are available for these uses.

### **PRODUCT ADVANTAGES**

- VOC compliant everywhere
- Low odor
- Will not attack foam insulation
- Trowel-grade adhesive
- Water clean up
- Strong bonding
- Will not to burn through panels



Please research all installation instructions and read entire label and Material Safety Data Sheet for safety, health & environmental information prior to use. See other cautions on last page.

### **SURFACE PREPARATION**

For best results, adhesive and substrates should be between 50° - 90° F. Surfaces must be structurally sound and dry, free of grease, dirt, dust, wallpaper, paint or anything that would interfere with a bond. Level any high spots and fill all cracks and holes with appropriate fillers.

### **APPLYING THE PRODUCT**

1. Cut and pre-fit panels.
2. Spread adhesive with the recommended trowel over **entire** back of the panel.
3. As soon as adhesive is spread over entire panel and before adhesive skins over (within 45 minutes), set panel in position and press against wall.
4. Press panel firmly into place, working from the center to the edges until full contact has been made.
5. **Bracing may be required** if walls or panels are not completely straight.
6. For channel moldings, permanent fasteners, and panel spacings, follow panel manufacturer's specifications.

**For application over concrete:** Concrete surfaces must be dry and completely cured. When installing panels over below-grade concrete, where moisture can penetrate, you must first attach furring strips to the concrete block and then attach a solid surface, such as wood or drywall, to those furring strips. Then continue with standard application.

**Working time:** Up to 45 minutes. Very warm, dry conditions decreases working time.

### **CLEAN UP**

Wet adhesive can be removed with mineral spirits. Scraping, followed by wiping with mineral spirits for dried material. Note warnings on mineral spirits container.

### **DISPOSAL**

Contains organic solvents which may cause adverse effects to the environment if disposed of improperly. Place **empty** containers in normal refuse for disposal. Contact your sanitation department or household hazardous waste coordinator for information concerning possible re-use or disposal of unused solvent-containing adhesives and/or sealants. EAD-C9

### **LIMITED WARRANTY**

PPG warrants satisfaction with this product when handled and applied according to label instructions. If product is not as warranted, PPG will, at your option, furnish replacement product or refund the purchase price. Please call 1-800-634-0015 for details. This limited warranty excludes labor or the cost of labor and is given as the exclusive warranty and remedy. **No warranty of merchantability, fitness for purpose or other warranty, express or implied, is made. PPG shall not be liable for any special, incidental or consequential damages.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusions/limitations may not apply. This limited warranty gives specific legal rights; you may have other rights that vary by state.

### **WARNING! HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Contains Crystalline Silica. If sanding, wear a dust mask to avoid breathing of sanding dust. Avoid contact with eyes and skin. **FIRST AID:** For skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby oil then wash again with soap and water. Repeat as needed. Remove contaminated clothing. For eye contact, flush **immediately** with plenty of water for at least 15 minutes. **Get medical attention.** If swallowed, **get medical attention immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or breathing difficulty occurs, **get medical attention.** **For emergency information, customer service, MSDS or additional safety and chronic hazard information, call 1-800-634-0015. KEEP FROM FREEZING.**

### **FRP-310 TECHNICAL INFORMATION**

**Base:** Acrylic emulsion

**Color:** Off-white

**Appearance:** Smooth

**Application Temperature:** 40–100° F  
(5–38° C)

**Service Temperature:** up to 120° F  
(up to 49° C)

**Adhesion:** Excellent to most  
common building materials

**Consistency:** Short

**Bridging Ability:** Good

**Shear Strength:** Wood to Wood  
24 hrs - 210 psi  
48 hrs - 250 psi  
7 days - 275 psi  
Wood to FRP  
24 hrs - 100 psi  
48 hrs - 125 psi  
7 days - 275 psi

**Trowelability:** Excellent

**Durability:** Very good

**Flexibility:** Very good

**Water Resistance:** Good

**Freeze-Thaw Stable:** Passes 5 cycles at 0°F

**Staining:** Do not use on marble or granite

**Bleed:** Do not use on marble or granite

**Odor:** Acrylic

**Working Time:** 45 minutes

**Drying Time:** Full cure within 1 week

**Weight Per Gallon:** 11.9 pounds (5.4 kg)

**Viscosity:** 300,000 CPS

**Volatiles:** 38%

**Flammability:** Nonflammable

**Flash Point:** >205°F (96°C)

**Coverage:** 50 sq. ft. per gallon

**Shelf Life:** 12 months from date of purchase

**Specifications:** Meets ASTM C-557

**VOC:** < 7% by wt. (< 70 g/L)