



FRP-1168

WATER-BASED FRP ADHESIVE

FRP-1168 is a high strength water based acrylic latex adhesive designed for the installation of FRP panels, gypsum board and plywood paneling over gypsum board, plywood, plaster, glass mesh mortar units, polystyrene foam and smooth dry concrete. (**Must have one porous surface.**)

FEATURES:

- ◆ Water Resistant
- ◆ Water-Clean Up
- ◆ Quick Tack
- ◆ Excellent Trowelability
- ◆ Fast Setting
- ◆ VOC compliant (SCAQMD rule 1168)

SUSTAINABILITY GUIDE

- Contributes to **LEED®** and other green building rating system credits:
 - *LEED-NC and LEED-CI EQ Credit 4.1*
 - *LEED Core & Shell EQ Credit 4.1*
 - *LEED-EB MR Credit 3*
 - *LEED-Green Guide for Health Care EQ Credit 4.1*



REGULATORY COMPLIANCE

- SCAQMD (South Coast Air Quality Management District), Rule 1168
- California Air District Regulations
- Ozone Transport Commission (OTC) Rule for Adhesives and Sealants

PREPARATION: Surface must be sound, clean, true, level, dry and free from grease, dirt, loose paint, wallpaper or foreign material that will impair adhesion. Level all high spots and fill all cracks and depressions with a quality grade patching compound. Prime joint compound and allow to thoroughly dry prior to panel installation. The adhesive, wall surface and panels should be conditioned at a minimum of 65°F for 24 hours before installation. If installation is over concrete or block walls where moisture will penetrate, use furring strips with mechanical fasteners and adhesive. For best results, only adhere panels to solid surfaces. Use mechanical fasteners as recommended by panel manufacturer.

DIRECTIONS:

Use only after careful consideration of the warnings, directions, and first aid instructions given. Do not thin.

1. Cut and prefit panels. Lay panels flat and let them acclimate to room temperature.
2. Spread adhesive over entire back of Panel (100% coverage), using the recommended notched trowel. Press firmly to keep area between ridges from accumulating adhesive.
3. Immediately place panel against wall. Press and knead panels to ensure contact with the wall at all points.
4. Install panel within 15 – 20 minutes after applying adhesive.
5. Follow panel manufacturer's instructions for molding and mechanical fasteners. Do not fit panels tightly into moldings. Allow 1/16" in molding channels for expansion.



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SPECIAL CONDITIONS:

- *Fiberglass panels have a relatively high rate of linear thermal expansion. By following these installation guidelines, and those of the panel manufacturer, serious problems can be eliminated.
- *Non-porous substrates such as ceramic tile, metal, foam board, etc. are not suitable substrates for the installation of FRP panels. Mechanical fasteners are best for installations involving these substrates.
- *Although water base adhesives normally provide excellent bonds to exterior grade plywood, under conditions of high humidity or low temperatures, the dry time can be much longer and this can cause bulging problems due to panel expansion. For temperatures lower than 60°F, a solvent base product is recommended.
- *For fire rated plywood, use a solvent base adhesive.

COVERAGE: Refer to the FRP manufacturer's installation instructions for proper coverage. Typically coverage should be 50-60 square feet per gallon. Several trowel sizes can give the appropriate coverage and depending on the particular application, may include: V-notch 3/16th, 3/16th, 5/16th, or V-notch 7/8th, 7/8th, or V-notch 3/16th, 1/4th, 1/2.

CLEAN UP: Remove adhesive smudges and clean tools with water. To remove dried adhesive, use acetone or mineral spirits, exercising safe practices.

RECOMMENDATION: Do not use this adhesive where odors may be transmitted to food.

PHYSICAL PROPERTIES:

BASE:	Synthetic Polymer	WEIGHT/GALLON:	11.52 lbs/gallon
SOLVENT:	Water	VOC CONTENT:	49.4 g/l (EPA Method 24)
SHELF LIFE:	1 year from date of manufacture	VISCOSITY:	225,000-262,500 cps
SOLIDS:	63.0 +/- 3.0%	OPEN TIME:	20 minutes
FLASHPOINT:	N/A	DRY TIME:	48-72 hours
COLORS:	Tan	COVERAGE:	50-60 sq ft/gal
FORMALDEHYDE:	No urea formaldehyde added during adhesive manufacturing		

KEEP OUT OF REACH OF CHILDREN FOR PROFESSIONAL OR INDUSTRIAL USE ONLY

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Please direct all inquiries regarding performance of this product to:

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