



FRP -1168

WATER-BASED FRP ADHESIVE

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

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. One surface must be porous.

ADVANTAGE:

- Water resistant
- Water clean up
- Quick tack
- Excellent trowel ability
- Fast setting
- VOC compliant
- Forms permanent, flexible seal
- Highly resistant to effects of temperature changes
- When cured, impervious to gasoline, oil, grease, weak acids and alkalis

SUSTAINABILITY GUIDE:

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

REGULATORY COMPLIANCE:

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

TYPICAL PROPERTIES:

Property	Typical Value
Base:	Synthetic Polymer
Solvent:	Water
Shelf Life:	1 year from Date of Manufacture*
Colors:	Tan
Flash Point:	N/A
Weight/ Gallon	11.52 lbs/ gallon
VOC Content	49.4 g/L (EPA Method 24)
Viscosity	225,000 –262,500 cps
Open Time	20 minutes
Dry Time	48 - 72 hours
Solids	63.0% ± 3.0%
Formaldehyde	No urea formaldehyde added during adhesive manufacturing

* The shelf life for an unopened container of this adhesive stored at temperatures between 60°F (15.6°C) and 95°F (35°C) is 1 year from date of manufacture. Store out of direct sunlight in a cool, well-ventilated area. Avoid storing container directly on the floor or against an outside wall

DIRECTION FOR USE:

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 3/16, 3/16, 5/16 or
 - V-notch 7/8, 7/8 or
 - V-notch 3/16, ¼, ½

Preparation

- Surface must be sound, true and level.
- Clean surface, ensuring it is 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.

Use

- Use only after careful consideration of the warnings, directions, and first aid instructions given.
- DO NOT THIN.
- Cut and prefit panels. Lay panels flat and let them acclimate to room temperature.
- Spread adhesive over entire back of panel (100% coverage), using the recommended notched trowel.
- Press firmly to keep area between ridges from accumulating adhesive.
- Immediately place panel against wall.
- Press and knead panels to ensure contact with the wall at all points.
- Install panel within 15-20 minutes after applying adhesive.
- 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.

Clean-up

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

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 based product is recommended.
- For fire rated plywood, use a solvent based adhesive.
- Do not use this adhesive where odors may be transmitted to food.

**KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL OR INDUSTRIAL USE ONLY
USE ONLY WITH APPROVED EQUIPMENT**

NOTICE TO PURCHASER:

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Complete technical information is available from
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