



TECHNICAL DATA SHEET



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DESCRIPTION

OSI® FRP-555 Latex FRP Adhesive is a strong, flexible adhesive, specifically formulated for fiberglass reinforced plastic panel installation. This water-based formula is easy to trowel and cures to a strong yet flexible bond. FRP-555 is unaffected by moisture, steam, water, heat or cold when fully cured. It will not harm or burn-through tub kit materials. FRP-555 cleans up easily with soap and water while wet. Its low VOC formulation meets stringent State and Federal requirements.

RECOMMENDED FOR:

OSI® FRP-555 Latex FRP Adhesive is specifically designed for FRP panel installation. Ideal for interior construction needs, such as gluing FRP plastic panels to plywood, drywall, plaster, concrete or other structurally sound porous surfaces. It is also suitable for use with polystyrene wall panels and insulating foam panels. FRP-555 can be used for other general purpose construction applications.

NOT RECOMMENDED FOR:

- Bonding FRP panels to metal, plastic, sealed concrete, ceramic tile, high gloss enameled surfaces or other non-porous substrates.
- Bonding two non-porous surfaces together. At least one surface must be porous.
- Gluing plastic bathroom accessories, such as shelves and soap dishes, to tub surrounds or tile
- Use on bowed or bent panels
- Bonding FRP panels to Green Board or cement board

FEATURES & BENEFITS:

Item #	Package	Size
827653	Plastic Pail	1 gallon
827654	Plastic Pail	3.5 gallons
827655	Plastic Pail	5 gallons

Feature	Benefits
Water-based adhesive.....	Non-flammable, low odor and easy soap and water clean-up (for uncured product)
Low VOC formulation.....	Meets stringent State and Federal VOC regulations
Foam board compatible.....	Will not etch, damage or burn through plastic or foam panels; No flashing or venting required
Gap filling.....	Use on irregular surfaces
High grab.....	Minimizes slippage of panels during installation
25 minutes repositioning time.....	Long open time allows for correction of misaligned material

COVERAGE

Approximately 1 gallon of product required per 50 to 60 ft² area.

DIRECTIONS

Tools Typically Required:

V-notched trowel: Maximum trowel size = ¼" x ¼", spaced ½" apart
Minimum trowel size = 3/16" x 3/16", spaced 5/16" apart

Safety Precautions:

Wear gloves.

Preparation:

Use above 50°F (10°C) and below 90°F (32°C). All surfaces must be clean, dry and structurally sound. Surfaces must be free of dirt, dust, oil, loose paint, wallpaper, high gloss finishes and other foreign materials that may affect adhesion. Concrete or block walls must be well cured, dry and free of any release agents. Surfaces must be plumb and true to dimension. Walls having irregularities must be made plumb and level by removing any high spots and/or filling in low spots with quality patching compound. Areas where joint compound has been used must be sealed with quality primer and allowed to dry thoroughly prior to installing FRP panels. The FRP adhesive, wall surfaces and panels should be conditioned at 60°F (15°C) to 75°F (23°C) for at least 24 hours before installation. Concrete or block walls below grade or showing evidence of moisture penetration should be furred out using furring strips. If furring strips are used, a solid backing (sub-surface) should be installed prior to installing FRP panels. Pre-cut and pre-fit FRP panels. Precondition panels to room temperature by laying flat.

Application:

Using a trowel, spread adhesive evenly and uniformly over entire back of panel. Do not leave bare spots. Press firmly so that the adhesive forms a continuous film. Frequent cleaning of trowel will ensure proper notch size. Too little adhesive will yield improper bonding to substrate. Position panels in place within 25 minutes after adhesive application. Press firmly over entire surfaces, working outward from the center to the edges so that panels are in full contact with sub-surface. Use of a rubberized roller is recommended to knead entire surface area. Follow panel manufacturer's installation instructions for channel moldings and fasteners. Do not fit panels tightly together; leave at least 1/16" expansion space at the edges. Warped or uneven surfaces may require temporary bracing or shoring until adhesive sets. Adhesive will cure in approximately 1 to 7 days. Cure time is dependent upon temperature, humidity, type of application and amount of adhesive used.

Clean-up:

Clean tools and any uncured adhesive residue with warm soap and water. Cured adhesive may be carefully cut away with a sharp-edged tool.

STORAGE AND DISPOSAL

DAMAGED BY FREEZING. Store in a dry place at 70°F (21°C). Take unwanted product to an approved household hazardous waste transfer facility, or allow product to harden by spreading on newspapers. Hardened material may be disposed of with trash.

PRECAUTIONS

CAUTION! Contains Ethylene Glycol. Do not take internally. Use with adequate ventilation. In case of eye contact, rinse with water for 15 minutes. Consult physician. Wash hands thoroughly after use. Keep from freezing.
KEEP OUT OF REACH OF CHILDREN.

Refer to the Material Safety Data Sheet (MSDS) for further information

DISCLAIMER

The information and recommendations contained herein are based on our research and are believed to be accurate, but no warranty, express or implied, is made or should be inferred. Purchasers should test the products to determine acceptable quality and suitability for their own intended use. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

TECHNICAL DATA

Typical Uncured Physical Properties		Typical Application Properties	
<u>Color:</u>	Cream	<u>Application Temperature:</u>	Apply above 50°F (10°C) and below 90°F (32°C)
<u>Appearance:</u>	Thick paste	<u>Open Time:</u>	25 minutes
<u>Base:</u>	Water based	<u>Dry time:</u>	1 to 7 days Cure time is dependent upon temperature, humidity and the amount of adhesive used.
<u>Odor:</u>	Mild acrylic odor		
<u>pH:</u>	7.5 ± 0.3		
<u>Specific Gravity:</u>	1.44		
<u>Viscosity:</u>	200,000 cps		
<u>VOC Content:</u>	19 g/L		
<u>Shelf Life:</u>	24 months from Date of Manufacture (unopened)		
<u>Lot Code Explanation:</u>	YYDDD YY = Year of Manufacture DDD = Day of Manufacture based on 365 days in a year		
(Lot code printed on small sticker on pail)	For example: 09061 = 61 st day of 2009 = March 2, 2009		

Typical Cured Performance Properties

<u>Color:</u>	Cream	<u>Shear Strength (5 days):</u>	200 psi
<u>Cured Form:</u>	Non-flammable, rubbery solid	FRP to Wood	
<u>Service Temperature:</u>	20°F (-7°C) to 180°F (82°C)		
<u>Water Resistance:</u>	Yes		