



TECHNICAL DATA SHEET

ADHESIVE FOR FRP INSTALLATIONS

FRP555

FAST GRAB & STRONG BOND



Description: OSI FRP555 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. OSI FRP555 is unaffected by moisture, steam, water, heat or cold when fully cured. It will not harm or burn-through tub kit materials. OSI FRP555 cleans up easily with soap and water while wet. Its low VOC formulation meets stringent State and Federal requirements.

Available As:

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

Features & Benefits:

- Specially Formulated for Fiberglass Reinforced Panel Installation
- Easy to Trowel and Cures to a Strong, Flexible Bond
- High Initial Grab Minimizes Panel Slippage
- 30 Minute Repositioning Time Allows for Correction of Misaligned Materials
- Will Not Etch, Damage or Burn Through Plastic or Foam Panels; No Flashing or Venting is Required
- Water-Based Adhesive: Non-Flammable, Low Odor and Easy Soap and Water Clean-Up for Uncured Adhesive

Recommended For:

OSI FRP555 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. OSI FRP555 can be used for other general purpose construction applications.

For Best Results:

- Not recommended for bonding FRP panels to metal, plastic, sealed concrete, ceramic tile, high gloss enameled surfaces or other non-porous substrates
- Not recommended for bonding two non-porous surfaces together. At least one surface must be porous
- Not suitable for gluing plastic bathroom accessories, such as shelves and soap dishes, to tub surrounds or tile
- Not suitable for use on bowed or bent panels
- Not suitable for bonding FRP panels to cement board or fire-treated plywood

Coverage:

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



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Typical Uncured Physical Properties:

Color:	Off-White	
Appearance:	Thick paste	
Base:	Water-based	
Odor:	Mild acrylic odor	
Specific Gravity:	1.42	
Viscosity:	200,000 to 300,000 cps	
pH:	7.0 to 7.5	
% Solids by Weight:	Approx. 70%	
VOC Content:	0.02% by weight	CARB
	44.3 g/l	SCAQMD rule 1168
Shelf Life:	24 months from date of manufacture (unopened)	
Lot Code Explanation:	YYDDD	
Printed on small sticker on pail	YY= Last two digits of year of manufacture DDD= Day of manufacture based on 365 days in a year Example: 14061 = 61 st day of 2014 = March 2, 2014	

Typical Application Properties:

Application Temperature:	Apply and cure between 50°F (10°C) and 90°F (32°C)	
Open Time:	60 minutes*	At 78°F and 50% relative humidity
Repositioning Time:	30 minutes*	At 78°F and 50% relative humidity
Cure Time:	1 to 7 days*	At 78°F and 50% relative humidity
	*Time is dependent on temperature, humidity, porosity of substrate and amount of adhesive applied	

Typical Cured Performance Properties:

Color:	Off-White
Cured Form:	Non-flammable, rubbery solid
Service Temperature:	20°F (-7°C) to 180°F (82°C)
Water Resistant:	Yes
Shear Strength :	5 day cure
FRP to Wood:	200 psi

Directions:

Tools Typically Required:

V-notched trowel: Maximum trowel size = 1/4" x 1/4", spaced 1/2" apart
Minimum trowel size = 3/16" x 3/16", spaced 5/16" apart

Safety Precautions:

Wear gloves. Wash hands after use.

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. Thoroughly score painted surfaces to increase wall porosity. 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. Precut and pre-fit FRP panels prior to adhesive application. Precondition panels to room temperature by lying flat.



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Application:

Using a trowel, spread adhesive evenly and uniformly over entire back of panel. Do not leave any 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 60 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. Remove all air bubbles. 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 & 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.

Label Precautions:

CAUTION! Contains ethylene glycol and crystalline silica. May cause skin, eye and respiratory irritation. Avoid contact with eyes and skin. Use with adequate ventilation. Do not swallow. **FIRST AID:** If swallowed do not induce vomiting, call a physician or Poison Control center immediately. For eye contact flush with water for 15 minutes, call a physician. For skin contact wash thoroughly with soap and water. If overcome by vapors, get fresh air. **KEEP OUT OF THE REACH OF CHILDREN.**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Refer to the Safety Data Sheet (SDS) for further information.

Limited Warranty:

This product is warranted to be free from defects in materials when used as directed. Henkel's sole obligation shall be, at its option, to replace or refund the purchase price of product proven to be defective. Henkel makes no other warranty, express or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE and will not be liable for consequential or incidental damages. This limited warranty gives you specific legal rights, which vary from state to state. Henkel may be contacted at 1.800.624.7767 M-F 9:00 am to 4:00 pm ET for warranty assistance.

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.



OSI Tougher than the Elements. For Professional Use Only. The Battle will be Fierce.

OSI works side by side with residential builders, contractors and remodeling professionals who use our products everyday on their jobsites. OSI combines this deep understanding with the sophisticated global innovation and manufacturing excellence of Henkel to make the world's best professional-grade caulks, sealants and adhesives.

1-800-624-7767 – Mon-Fri - 9:00a – 4:00p ET

www.ositough.com



OSI Brand is part of the Henkel family of brands. Founded in 1876, Henkel is a global leader in the consumer and industrial businesses. Henkel operates worldwide with leading brands and technologies in three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies.

Henkel Corporation - Professional & Consumer Adhesives Headquarters - Rocky Hill, CT 06067

www.henkeln.com

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