



Unsanded Adhesive & Grout

Updated December 2023

1. PRODUCT NAME

TEC® Unsanded Adhesive & Grout
(631)

2. MANUFACTURER

H.B. Fuller Construction Products Inc.
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3. DESCRIPTION

Unsanded Adhesive & Grout is formulated to set and grout ceramic tile on walls and floors. Best for small tile jobs or repairs.

Key Features and Benefits

- For grout joints 1/16" to 1/8" (1.6-3 mm)
- For bonding ceramic tile up to 8" x 8" (20 x 20 cm)
- Mold and mildew resistant
- Low VOC

Packaging

1 quart plastic pail (946 mL)

Product #15035615

Color

White

Coverage

Coverage will vary with type of substrate.

Unit Size	Approximate Coverage
1 quart (946 mL)	Wall, using 3/16" x 5/32" (4.8 x 4.0 mm) V-notch trowel: 4-6 ft ² (0.37-0.56 m ²)
	Floor, using 1/4" x 1/4" x 1/4" (6.4 x 6.4 x 6.4 mm) square-notch trowel: 3-5 ft ² (0.28-0.46 m ²)

Suitable Substrates

When properly prepared per TCNA guidelines, suitable interior substrates include:

- Cured portland cement plaster
- Gypsum wallboard (walls only)
- APA Grade Trademarked Exposure 1 Plywood underlayment grade or better
- Cementitious backer units (CBU)
- Fiber cement underlayment
- Coated glass mat backerboard
- Well cured, moisture tested concrete not subject to dampness or moisture vapor emissions. **Installations where concrete is damp or the concrete is subject to moisture vapor emissions can fail.**

Storage

Store in a cool, dry location - **Indoors only**. Protect from freezing. Adhesive is freeze thaw stable to -10°F (-23°C). Avoid prolonged or repeated freeze thaw cycles. Should adhesive freeze, allow to thaw at room temperature and stir well before using.

Shelf Life

Maximum of 1 year from date of manufacture in properly stored, unopened package.

Limitations

- Not for use in conjunction with PVC heating mats or coils, or over polyethylene membranes.
- Not for use over anti-fracture & waterproofing membranes, sheets or mats.
- Not for bonding tile larger than 8" x 8" (20 x 20 cm)
- Not ideal for grouting countertops.
- Not for grouting over existing epoxy grout.
- Not for use in showers, steam rooms, steam showers, swimming pools, or any place that will receive standing water.
- Not for use for leveling or in excess of trowel recommendations.
- Not for exterior use.
- Not for use where temperature will exceed 120°F (49°C).
- Not for use over lauan, MDF, particleboard, or tempered hardboard (e.g. Masonite).
- Not for use with green marble, or to install resin backed marble or resin backed aggregate marble.
- Not for setting any marble over plywood floors or plywood countertops.
- Not for use with lug back floor tile.
- Substrate temperature should be a minimum of 43°F (6°C) during application and air temperature maintained above 50°F (10°C) during installation and for 72 hours after installation.
- Not for setting ceramic accessories such as towel bars, soap dishes, and grab bars.
- Only install when the temperature is between 50°F (10°C) - 90°F (32°C).
- Not to be used underneath backerboards.
- Steam cleaning not recommended.

Cautions

Read complete cautionary information printed on product container prior to use. For medical emergency information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered TEC brand product(s) under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

Applicable Standards

Meets ANSI A136.1, type 1 specification.

TEC Unsanded Adhesive & Grout (631)		
Description	ANSI Requirement	Typical Results
Shear Strength Conditioned Dry 28 Day, Room Temperature Type I Water Immersion After Accelerated Heat Aging	> 50 psi (.34 MPa) > 50 psi (.34 MPa) > 50 psi (.34 MPa) > 75% dry shear strength retention	Passes
Heat Resistance	Maintains at least 10 lb. (4.5 kg) static load in shear at 120°F (49°C) for 24 hours	Passes
Impact Test	All tiles remained bonded after impact	Passes
Stain Test	< 70% penetration	Passes
Stability in Storage	4 weeks minimum	Passes
Resistance to Mold Growth	No mold growth	Passes

Greater than: > Greater than or equal to: ≥ Less than: < Less than or equal to: ≤

Product Data

Physical Properties

Description	
Base	Acrylic copolymer latex
Physical State	Paste
Color	White
Odor	Nil
Open Time [at 72°F (22°C)]	45-60 minutes*
Initial Cure	24 hours
Final Cure	7 days
Wt./U.S. Gallon	11.2 lbs. ± .1 lbs.
VOC/Liter of Material	35 grams less water
Foot Traffic Rating (ASTM C627)	Residential to light commercial
Storage	Store in cool, dry location. Do not store open containers. Freeze/thaw stable.
Shelf Life	Maximum 1 year from date of manufacture in properly stored, unopened package.

*Open time depends on temperature and humidity.

5. INSTALLATION INSTRUCTIONS**Surface Preparation**

For use as an adhesive: All surfaces must be clean, dry, free of dirt, dust, grease, oil, loose paint, wallpaper, and residues of old adhesive, or any foreign matter which might impair adhesion where Unsanded Adhesive & Grout is spread. Do not sand any floors or adhesives that are known or suspected to contain asbestos. **Installations where concrete is damp or the concrete is subject to moisture vapor emissions can fail.**

For use as a grout: Area must be clean, dry, free of dirt and dust. Grout joint should be free of sealers.

Application**For use as an adhesive:**

1. Spread adhesive with flat side of trowel. Then comb with notched side.
2. Do not allow adhesive to skin over. If adhesive skins over, scrape off and apply fresh adhesive.
3. Press tile into adhesive. Periodically remove and check a tile to ensure complete coverage.
4. Wipe excess off tile with damp sponge - do not let dry on surface of tile.
5. Before grouting, tiles must be firmly set. If this product was used as adhesive, set time is at least 24 hours for tiles 4" x 4" (10 x 10 cm) or smaller. Larger tile may take 48 hours or more.

For use as a grout:

1. Press grout into joints using short side of float at 45° angle.
2. Holding at 90° angle, draw diagonally across tile to remove excess grout. Shrinkage may occur during drying, so leave joints full.
3. Clean excess off tile using damp sponge in circular motion; do not let dry on surface of tile.
4. If haze remains on surface, clean next day with damp sponge.
5. Shrinkage may occur while curing or drying. A second application may be applied if necessary after 24 hours.

For use over premixed and cement-based grout: To install, existing premixed or cementitious grout must be clean, sealer free, and 1/8" (3 mm) lower than tile surface. If not: Remove existing grout with a grout saw to at least 1/8" (3 mm) below the surface of the tile.

Make sure the joint is free of all dust and debris, then apply grout per instructions above.

Note: It is the sole responsibility of the installer to determine the suitability and compatibility of the product for the intended application.

Clean-up

Clean tools with water before material dries. Wash hands with soap and water.

Maintenance

For routine cleaning of your grout, use a neutral pH cleaner. Follow manufacturer instructions for dilution. Do not use acids, bleaches or vinegar for cleaning. Alkaline-based cleaners can be used for periodic heavy duty cleaning. Follow manufacturer instructions for dilution.

6. AVAILABILITY

TEC premium surface preparation, tile, stone, carpet, wood and resilient floor covering installation products are available nationwide. To locate TEC products in your area, please contact:

Phone: 800-832-9002

Website: tecspecialty.com

7. LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. **H.B. Fuller Construction Products disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product.** For Limited Warranty details visit tecspecialty.com. To obtain a hard copy of the Limited Warranty call H.B. Fuller Construction Products at 800-832-9023 or mail a written request to the address in Section 2 of this Product Data Sheet.

8. MAINTENANCE

Not applicable

9. TECHNICAL SERVICES**Technical and safety literature**

To acquire technical and safety literature, please visit our website at tecspecialty.com.

10. FILING SYSTEM

Division 9



To learn more, visit TECspecialty.com



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