



Unsanded Adhesive & Grout

1. PRODUCT NAME

TEC® Unsanded Adhesive & Grout
(631)

2. MANUFACTURER

H.B. Fuller Construction Products Inc.
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.552.6225 Office
800.832.9023 Technical Support
800.952.2368 Fax
tecspecialty.com

3. DESCRIPTION

TEC® 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 grouting joints 1/16" to 1/8" (1.6-3 mm)
- For bonding ceramic tile up to 8" x 8" (20 x 20 cm)
- Product is mold and mildew resistant

Packaging

1 quart plastic pail (946 mL)

Product #7047945111

Color

White

Coverage

Coverage will vary with type of substrate.

Unit Size	Approximate Coverage
1 quart (946 mL)	Wall 4-6 ft ² (0.37-0.56 m ²) Floor 3-5 ft ² (0.28-0.46 m ²)

Suitable Substrates

When properly prepared, suitable interior substrates include:

- Cured portland cement plaster
- Gypsum wallboard (walls only)
- Exterior grade plywood (floors only, over two 5/8" (15 mm) layers, joists 16" (40 cm) on center)
- 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 unopened package. Product is good for 6 months after opening. (Re-seal and store in cool, dry location, use within shelf life. Covering with plastic wrap directly on top of product prior to sealing container will help to preserve freshness.)

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 greater 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, in steam rooms, in 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 luan, MDF, particleboard, or Masonite®. (See Suitable Substrates.) Masonite is a registered trademark of Masonite Corporation.
- 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.
- Not for setting ceramic accessories such as towel bars, soap dishes, and grab bars.
- Not to be used underneath most backerboards. (Check manufacturer instructions.)

Note: Sealer for grout not required. If desired, may use one light coat of a water-based sealer.

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: ≤

Physical Properties

Description	
Base	Acrylic copolymer latex
Physical State	Paste
Color	White
Odor	Nil

Description	
Open Time [at 72°F (22°C)]	48 to 72 hours depending on humidity and temperature
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.

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 TEC® Unsanded Adhesive & Grout is spread. Painted enameled walls and floors must be thoroughly scored or sanded to insure a bond to the original base wall or floor. 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.

Clean-up

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

6. AVAILABILITY

TEC® Premium Tile and Stone 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



tecspecialty.com



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