



Vinyl Composition Tile Adhesive

Updated September 2025

1. PRODUCT NAME

TEC® Vinyl Composition Tile Adhesive
(713)

2. MANUFACTURER

TEC Specialty Products LLC
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.832.9002 Customer Service
800.832.9023 Technical Support
tecspecialty.com

3. DESCRIPTION

Vinyl Composition Tile Adhesive is a permanent pressure sensitive adhesive for the interior installation of Vinyl Composition Tile (VCT). When used according to directions, Vinyl Composition Tile Adhesive will bond new tile to old floor coverings. Vinyl Composition Tile Adhesive dries to a transparent-clear film and is freeze/thaw stable. Not for use with solid vinyl tile.

Key Features and Benefits

- Premium quality
- Water resistant
- Strong bonds
- Extended open-time
- Excellent grab
- Zero VOC/low odor

Packaging

1 quart plastic pails (.946 L)	Product #15035593
1 gallon plastic pails (3.79 L)	Product #15035590
3.5 gallon plastic pails (13.24 L)	Product #15035588

Coverage

Coverage will vary with the absorption of substrate and trowel size. Figures below are presented only as guidelines.

Flooring Type	Recommended Trowel Size	Approximate Coverage in sq. ft. (m²)		
		Quart	Gallon	3.5 Gallon
Porous substrates	1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) square-notch trowel	40.5-45 (3.8-4.2)	160-180 (14.9-16.7)	560-630 (52.0-58.5)
Porous and non-porous substrates	1/32" x 1/16" x 5/64" (0.8 x 1.6 x 2.0 mm) U-notch trowel	75-87.5 (7.0-8.1)	300-350 (27.9-32.5)	1050-1225 (97.5-113.8)

Suitable Substrates

When properly prepared, suitable substrates include:

- Concrete
- APA Grade Trademarked Exposure 1 Plywood Underlayment grade or better
- Multiply underlayment
- Fiber cement underlayment
- TEC patches and underlayments
- Well bonded, smooth, wax-free, existing single layer non-cushioned resilient flooring

Substrate Preparation (in accordance with ASTM F710)

Subfloor should be structurally sound, clean, dry, and level. It is required that all surfaces be structurally sound and free from any contaminants that may inhibit bond, including oil, grease, dust, loose or peeling paint, sealers, floor finishes, curing compounds or contaminants. Nail down any loose edges or areas of subfloor and sand smooth all raised edges. Fill cracks or depressions in floor with a suitable TEC patching compound. Sand smooth and vacuum to remove dust. Over hardwood floors or wood parquet, the installation of plywood or fiber cement underlayment is required. Plywood should be installed according to American Plywood Association guidelines. Plywood subfloor surfaces should be well nailed at all edges and through center.

It is recommended that all concrete substrates be tested for moisture and pH prior to flooring installation. Install flooring with Vinyl Composition Tile Adhesive over concrete with a moisture up to 90% RH when tested in accordance with ASTM F2170. For concrete with greater moisture levels or with no vapor barrier, treat the concrete with TEC LiquiDam or LiquiDam EZ per PDS instructions. Test for pH in accordance with ASTM F710. Range of 7-9 is required. The substrate, adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 60-90 degrees F (15-35 degrees C) and between 30-65% relative humidity for at least 72 hours before, during and after the installation.

Alkalinity Test: Concrete alkalinity testing must be performed in accordance with ASTM F710. A pH range of 7-9 is satisfactory for this adhesive. Confirm the acceptable range for the flooring per the manufacturer's guidelines. A reading outside of either range requires corrective measures before flooring installation. Always follow flooring manufacturer's guidelines for acceptable levels of alkalinity for the vinyl flooring.

Porosity Test: Substrate porosity testing must be performed in accordance with ASTM F3191. First prepare the substrate to a clean, sound condition, free of any matter that would interfere with a good bond. To test porosity, place a drop of water on the substrate surface in several places; if the water is absorbed into the surface within 60 seconds, the surface is porous; if not, the surface is nonporous. If the water is absorbed into the surface in less than 10 seconds, an application of TEC® Multipurpose Primer is mandatory before the application of adhesive because the substrate is very porous. Follow PDS instructions for the primer application, then follow the specific adhesive installation instructions listed below.

Storage

Store in cool, dry location

Shelf Life

Maximum 18 months from date of manufacture in properly stored, unopened container.

Limitations

- Not for installing solid vinyl tile or self-stick vinyl tile.
- For interior use only.
- Do not use where hydrostatic pressure, excessive moisture or alkali is present.
- New concrete should be allowed to cure a minimum of 60-90 days prior to installation.
- Not recommended for installation over cushion-backed or unprepared embossed sheet goods, luan and unprimed gypsum.
- Freeze/thaw stable to 10°F for a maximum of 5 cycles. If frozen, slowly bring to room temperature and stir before using.
- Do not apply over sealed concrete, tempered hardboard (e.g. Masonite), particle board, or luan plywood.

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, TEC Specialty Products LLC cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

Product Data

4. TECHNICAL DATA

Physical Properties

TEC® Vinyl Composition Tile Adhesive (713)	
Description	
Base	Latex
Physical State	Thin paste
Color	Off-white — wet Clear — dry
Working Time	1 to 24 hours
VOC/Liter of Material	0 g/L (calculated)

5. INSTALLATION INSTRUCTIONS

Application

1. For best results, flooring material, room and adhesive should be kept at a minimum of 70°F (21°C) for 48 hours before and 24 hours after installation. Refer to flooring manufacturers installation guidelines for proper application instructions, including trowel size and approximate coverage.
2. Apply adhesive and allow to dry to a clear, transparent film - normally 30-45 minutes before applying tiles. However, tiles may be installed up to 24-72 hours after spreading adhesive (dependent on trowel notch selected). Drying time will vary depending upon the temperature and humidity. Check readiness by lightly pressing a finger on adhesive. If there is no transfer to finger when lightly touched, tiles may be set by pressing down firmly. Keep the adhesive film free of dust and dirt.
3. After the floor is set, roll in both directions with a 100-150 lb. (45-68 kg) roller to ensure good contact with the adhesive.

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

Clean-up

Wet adhesive may be removed with cold, soapy water and a white rag. For dried adhesive, it is preferred to be removed mechanically. Mineral spirits may also be used for dried adhesive residue carefully following warnings on container. It is best to apply the mineral spirits to a clean, white absorbent cloth and not directly to the flooring.

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](https://www.tecspecialty.com)

7. LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. **TEC Specialty Products LLC 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](https://www.tecspecialty.com). To obtain a hard copy of the Limited Warranty call TEC Specialty 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](https://www.tecspecialty.com).

10. FILING SYSTEM

Division 9



To learn more, visit [TECspecialty.com](https://www.TECspecialty.com)



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