



744 Solid Vinyl Plank and Tile Adhesive

Updated September 2025

1. PRODUCT NAME

TEC® 744 Solid Vinyl Plank and Tile Adhesive
(744)

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

TEC 744 Solid Vinyl Plank and Tile Adhesive is designed for the installation of solid vinyl tile over non-porous floors. It spreads easily, exhibits quick grab, and has excellent resistance to moisture and plasticizer migration.

Key Features and Benefits

- Luxury vinyl tile (LVT)
- Solid vinyl tile
- Homogeneous solid vinyl
- Heterogeneous solid vinyl
- Vinyl plank
- Dries clear
- Low odor
- Zero VOC

Packaging

1 quart plastic pails (946 mL) Canadian	Product #15035781
1 gallon plastic pails (3.78 L)	Product #15035778
1 gallon plastic pails (3.78 L) Canadian	Product #15035779
4 gallon plastic pails (15.13 L)	Product #15035776

Coverage

Determine recommended trowel size based on tile type. 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
Porous substrate	1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) square-notch trowel	162-180 sq. ft./gal. 18-20 yd ² /gal. (4-4.4 m ² /L)
Non-porous substrate	1/32" x 1/32" x 1/16" (0.8 x 0.8 x 1.6 mm) U-notch trowel	220-260 sq. ft./gal. 24-28 yd ² /ga (5.3-6.2 m ² /L)
Brush or rolled		225-260 sq. ft./gal. 24-28 yd ² /gal. (5.5-6.2 m ² /L)
Rubber tile	3/32" x 3/32" x 1/16" (2.4 x 2.4 x 1.6 mm) V-notch trowel	75-85 sq. ft./gal. 8-9 yd ² /gal. (6.9-7.9 m ² /L)

Suitable Interior Substrates

When properly prepared, suitable substrates include:

- Concrete - on, above or below grade, in the absence of excessive moisture and alkali
- Plywood - APA standard underlayment grade or better
- Multiply underlayment
- Fiber-cement underlayment
- Latex portland cement based underlayment
- Well bonded, smooth, wax-free, existing single layer non-cushioned resilient flooring.

Substrate Preparation

Subfloor should be structurally sound, clean, dry and level. Remove all grease, sealers, curing compounds, loose paint, dirt, etc. 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.

All concrete substrates must be tested for moisture and pH prior to flooring installation. Install flooring with TEC 744 over concrete with a moisture vapor emission rate up to 10 lbs. per 1,000 sq. ft. (4.54 kg/93 m²) per 24 hours when tested in accordance with ASTM F1869 or up to 95% RH when tested in accordance with ASTM F2170. For concrete with greater moisture levels, treat the concrete with TEC® LiquiDam™ Penetrating Moisture Vapor Barrier. See Product Data Sheet for details. Test for pH in accordance with ASTM F710. Range of 7-12 is required.

Storage

Store in cool, dry location. Do not store open containers.

Shelf Life

Maximum of 1 year from date of manufacture in unopened container.

Limitations

- 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.
- Do not use when temperature is below 60°F (16°C).
- Not recommended for installation over cushion-backed or unprepared embossed sheetgoods.
- Freeze/thaw stable to 10°F (-12°C) for a minimum of 5 cycles. If frozen, slowly bring to room temperature and stir before using.
- The dimensional stability of some vinyl flooring products is very sensitive to fluctuations in ambient environment conditions. TEC Specialty Products LLC is not responsible for installation issues caused by dimensional changes in flooring.

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.

4. TECHNICAL DATA

Physical Properties

TEC 744 Solid Vinyl Plank and Tile Adhesive (744)	
Description	
Base	Acrylic latex
Physical State	Smooth, medium paste
Color	Off-white
Open Time	2 to 4 hours
VOC/Liter of Material	0 grams (calculated)
Freeze/Thaw Stability	Freeze/thaw stable to 10°F (-12°C) for a minimum of 5 cycles. If frozen, slowly bring material back to room temperature and stir before using.
Storage	Store in cool, dry location. Do not store open containers.
Shelf Life	Maximum 1 year from date of manufacture in properly stored, unopened package.

Product Data

5. INSTALLATION INSTRUCTIONS

Application

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. TEC 744 has an approximate working time of 2-4 hours, depending on trowel size, floor porosity, temperature and humidity. Apply adhesive and allow to dry to a tacky, transparent film - normally 15-45 minutes before applying floor coverings. Keep the adhesive film free of dust and dirt. After the floor is set, roll in both directions with a 100-150 lb. (45-68 kg) roller to insure good contact with the adhesive. Consult the flooring manufacturers installation guidelines for specific application procedures, to insure optimum performance.

Clean-up

Remove fresh adhesive from face of flooring with warm, soapy water. Dried adhesive must be removed with mineral spirits.

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. **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. 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.

10. FILING SYSTEM

Division 9



Conforms with LEED v4 low emitting interiors.
Compliant with (CDPH) Standard Method v1.2 VOC Emissions.



To learn more, visit TECspecialty.com



TEC Specialty Products LLC | 1105 South Frontenac Street, Aurora, IL 60504-6451



@TECInstallationSystems



tecspecialty.com



TECInstallationSystems



TEC Installation Systems