



1. PRODUCT NAME

TEC® 749 Releasable Pressure Sensitive Adhesive (TA-749)



2. MANUFACTURER

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3. DESCRIPTION

TEC® 749 Releasable Pressure Sensitive Adhesive is an acrylic latex adhesive used for the installation of modular carpet tile (including recycled), vinyl-backed carpet, fiberglass-backed flooring and recommended Double Bond cushions. Use for installations over fresh concrete slabs with moisture vapor emission rates up to 10 lbs. per 1,000 sq. ft. (4.54 kg/93 m²) per 24 hours or relative humidity up to 90%.

Key Features and Benefits

- For commercial and residential applications
- Modular carpet tile/vinyl backed carpet
- Double Bond method of installation (cushion to substrate)
- Low odor
- Zero VOC

Packaging

1 gallon plastic pails (3.78 L)	Product #7047365011
1 gallon plastic pails (3.78 L) Canadian	Product #7047365013
4 gallon plastic pails (15.13 L)	Product #7047361311

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 /gal. (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)

Suitable Interior Substrates

When properly prepared, suitable substrates include:

- Concrete
- Marble and terrazzo
- Metal
- Plywood - APA standard underlayment grade or better
- Multiply Underlayment
- Fiber-cement underlayment
- Portland cement based underlayment
- Well bonded, smooth, wax-free, existing single layer non-cushioned resilient flooring.
- Radiant heated subfloors [surface temperature does not exceed 85°F (29°C)]

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® 749 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 90% RH when tested in accordance with ASTM F2170. For concrete with greater moisture levels, treat the concrete with TEC® The LiquidDAM® Penetrating Moisture Vapor Barrier. See Product Data Sheet for details. Test for pH in accordance with ASTM F710. Range of 7-9 is required.

Storage

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

Shelf Life

Maximum of 18 months 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.

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

Physical Properties

TEC® 749 Releasable Pressure Sensitive Adhesive (TA-749)	
Description	
Base	Acrylic latex
Physical State	Thin paste
Color	Off-white — wet Clear — dry
Working Time	Permanently pressure sensitive once cured provided it is kept clean and dust free.
VOC/Liter of Material	0 g/L, less water
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 18 months from date of manufacture in properly stored, unopened package.

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® 749 has an approximate working time of 1-24 hours, depending on trowel size, floor porosity, temperature and humidity. Apply adhesive and allow to dry to a clear, transparent film - normally 30 to 60 minutes before applying floor covering. However, tiles may be installed up to 24 hours after adhesive becomes dry. Drying time will vary depending upon the temperature and humidity. To insure releasable properties, adhesive film should dry clear prior to installation. Keep the adhesive film free of dust and dirt.

Clean-up

Remove wet adhesive with a water dampened cloth. Dried adhesive can be removed with acetone.

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. WARRANTY

For warranty details, see your sales associate or tecspecialty.com.

8. MAINTENANCE

Not applicable

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the Technical Support Hotline.

Toll Free: 800-832-9023

Fax: 630-952-1235

Technical and safety literature

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

10. FILING SYSTEM

Division 9

tecspecialty.com