

APACTM

539

Supreme, Clear Thin-Spread VCT Adhesive



DESCRIPTION

APAC 539 is a premium, clear thin-spread VCT adhesive specifically designed for the installation of vinyl composition tile (VCT) in light to heavy commercial applications. APAC 539 is suitable for use in occupied office buildings, hotels, hospitals, schools, restaurants and nursing homes. APAC 539 dries to a thin, semi-transparent film, allowing layout chalk lines to remain visible for easier installation.

FEATURES & BENEFITS

- Quick flash time and aggressive initial tack
- 18 hours of tack time
- Exceptional slip resistance

USES

RESILIENT FLOOR COVERINGS: VCT

AREAS OF USE

- Residential (rental apartments and condominiums)
- Commercial (office buildings and cafeterias)
- Institutional (hospitals, schools, universities, libraries and government buildings)

RECOMMENDED SUBSTRATES

Exterior-grade plywood, Group 1, CC type; other approved wood underlayments (per flooring manufacturer's recommendations); concrete and properly prepared cement terrazzo; cement-based self-leveling underlayments and patching compounds; embossing levelers applied over existing, properly prepared and fully bonded ceramic tile and sheet vinyl; a single layer of properly prepared, fully bonded VCT; properly prepared and primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419; and properly prepared asphalt cutback adhesive residues

Note: Consult Technical Services for installation recommendations regarding substrates and conditions not listed.

LIMITATIONS

Do not install over any substrates containing asbestos. For interior installations only. Product can be applied over asphalt cutback and other adhesive residues as long as adhesive ridges have been completely scraped to the subfloor with only minor stains remaining. Do not install when the moisture vapor emission rate (MVER) exceeds 5 lbs. per 1,000 sq. ft. per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869). MVER must be diminishing over time. Do not install when the relative humidity (RH) of the concrete slab exceeds 80% (ASTM F2170). Use only when the substrate temperature is between 50°F and 90°F. Install only in areas recommended by the flooring manufacturer. Product is not recommended for areas subject to constant moisture

exposure (such as building entryways and produce misting areas). Building owners should be advised of the flooring manufacturer's guidelines for climate control settings (temperature and humidity). These conditions must be monitored and kept constant in order to ensure the overall performance and long-term success of the installation.

SURFACE PREPARATION

All substrates must be structurally sound, dry, solid and stable. Substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues (other than cutback adhesive residue), and any other substance or condition that may prevent or reduce adhesion. All surfaces must be level, even, flat and smooth. Refer to APAC's Surface Preparation Guidelines at www.apacadhesives.com.

MIXING

Note: Choose all appropriate safety equipment before use. Refer to Material Safety Data Sheet (MSDS) for more information.

- Ready to use; no mixing is necessary.

INSTALLATION

Read all installation instructions thoroughly before installation.

1. Select the appropriate notched trowel (see "Typical Trowels and Approximate Coverages" section).
2. Spread adhesive evenly over the subfloor, keeping the trowel at a 45° angle to the subfloor.
3. Allow adhesive to flash until it no longer transfers to the finger when touched (after about 30 to 45 minutes, depending on environmental conditions).
4. Install flooring in strict accordance with flooring manufacturer's written instructions. Do not spread more adhesive than can be installed within 18 hours.
5. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.
6. Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet. Use mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials.
7. Clean tools with water while the adhesive is still fresh/wet.
8. Protect from light traffic for 24 hours, and from heavy traffic for 72 hours.

APPLICATION CONDITIONS

Application Characteristics over Porous Subfloors		
	Flash Time*	Working Time**
VCT	30 to 45 minutes, or until dry to touch	18 hours
Application Characteristics over Nonporous Subfloors		
	Flash Time*	Working Time**
VCT	45 to 60 minutes, or until dry to touch	18 hours

* *Flash time: The amount of time recommended for the adhesive to remain exposed to the air following application before the installation of floor covering.*

** *Working time: The maximum amount of time that an adhesive can remain exposed to the air and still effectively bond to the floor covering.*

Note: Flash and working times vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

TECHNICAL DATA

Polymer type	SBR
Percent solids	65% to 70%
VOCs	21 g/L
Color	Light beige
Shelf life	2 years
Flash point (Tag)	> 200°F
Storage conditions	50°F to 90°F

Note: Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

PACKAGING

Product Code	Size
93664221	4 U.S. gals. (15,1 L)
93653221	1 U.S. gal. (3,79 L)

TYPICAL TROWELS AND APPROXIMATE COVERAGES***



VCT over porous surfaces

1/16" x 1/16" x 1/16" square-notch trowel
135 to 145 sq. ft. per U.S. gal.



VCT over smooth, nonporous surfaces

1/16" x 1/32" x 1/32" U-notch trowel
250 sq. ft. per U.S. gal.

*** *Coverages shown are for estimating purposes only. Actual jobsite coverage may vary according by application method, substrate, substrate conditions and actual thickness applied.*

INDUSTRY STANDARDS AND APPROVALS

- RFCI IP #2 – Recommended Installation Practice for Vinyl Composition Tile (VCT)

LEED Points Contribution	LEED Points
MR Credit 5, Regional Materials*	Up to 2 points
IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants	1 point

* *Using this product may help contribute to LEED certification of projects in the categories shown above. Points are awarded based on contributions of all project materials.*

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**