

APAC™

610

Universal Pressure-Sensitive Adhesive



DESCRIPTION

APAC 610 universal pressure-sensitive adhesive is a high-solids, acrylic, emulsion-based adhesive for the installation of a wide variety of floor coverings. APAC 610 resists plasticizer migration, provides exceptional tack and has great adhesion to all common types of floor surfaces. APAC 610 can be used to create both a releasable or permanent bond, depending on the installation method.

FEATURES AND BENEFITS

- Excellent for the installation of PVC (vinyl)-backed carpet tile
- Plasticizer-migration-resistant
- Quick-drying with a very aggressive tack

USES

CARPET PRODUCTS: PVC-backed carpet tile and synthetic carpet cushion in double-glue-down application

RESILIENT FLOOR COVERINGS: Luxury vinyl tile, solid vinyl tile and most types of PVC-backed fiberglass-core residential sheet vinyl

AREAS OF USE

- Residential (apartments, condominiums and houses)
- Commercial (office buildings, hotel rooms and hallways, restaurant dining areas and retail stores)
- Institutional (schools, libraries, government buildings, hospitals and universities)

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 vinyl composition tile (VCT); and properly prepared and primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419

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. Do not apply over any adhesive residues including cutback. 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. Do not use for non-PVC-backed carpet tile.

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, 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. For "releasable" installations, allow adhesive to flash until it no longer transfers to the finger when touched.
4. Install flooring. Do not spread more adhesive than can be installed within 6 to 8 hours.
5. For "permanent" installations over porous substrates, install immediately into wet adhesive. Note: For PVC-backed, fiberglass-core residential sheet vinyl, use releasable method only.
6. Roll the flooring with the recommended weight roller across the width and length of the flooring surface.
7. 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.
8. Protect from light traffic for 24 hours, and from heavy traffic for 72 hours.

APPLICATION CONDITIONS

Application Characteristics over Porous Substrates		
	Flash Time*	Working Time*
Permanent bonding	0 minutes	15 minutes
Pressure-sensitive bonding	20 to 30 minutes or until adhesive no longer transfers to the touch	6 to 8 hours

Application Characteristics over Nonporous Substrates

	Flash Time*	Working Time*
Pressure-sensitive bonding	30 to 45 minutes or until adhesive no longer transfers to the touch	6 to 8 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	Acrylic
Percent solids	49% to 53%
VOCs	4 g/L
Color	Peach
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
90564221	4 U.S. gals. (15,1 L)
90553221	1 U.S. gal. (3,79 L)

TYPICAL TROWELS AND APPROXIMATE COVERAGES***



Carpet tile over porous surfaces

1/16" x 1/16" x 1/16" square-notch trowel
135 to 145 square feet per gallon



Carpet tile 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

- CRI #104, Standard for Installation Specification of Commercial Carpet
- CRI #105, Standard for Installation of Residential Carpet

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
IEQ Credit 4.3, Low-Emitting Materials – Flooring Systems	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.**