

APAC™

turbo 4.0

Fast-Grab Carpet Adhesive



DESCRIPTION

APAC Turbo 4.0 is a fast-grabbing, contract-grade, latex-based carpet adhesive with great bond strength and excellent rebond characteristics. APAC Turbo 4.0 is designed for the installation of a wide variety of carpet backings and forms a tough, durable bond that is ideal for installations of medium-weight commercial carpet. APAC Turbo 4.0 is also suitable for use for the installation of felt-backed vinyl sheet flooring.

FEATURES AND BENEFITS

- Quick leg development
- Strong bonds
- Non-staining under felt-backed vinyl sheet flooring

USES

CARPETS – Jute, polypropylene, urethane foam back, sponge rubber, latex foam, ActionBac®, Kangaback, hot melt, woven, needle-punched, and latex or urethane unitary-backed carpets.

RESILIENT FLOOR COVERINGS – Felt-backed vinyl sheet goods and vinyl composition tile (VCT should be installed within 2 hours after adhesive application.)

AREAS OF USE

- Residential (apartments, condominiums and houses)
- Commercial (office buildings, hotel rooms and hallways, restaurant dining areas, and retail stores)

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 3 lbs. per 1,000 sq. ft. per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869). Do not install when relative humidity (RH) of the concrete slab exceeds 75% (ASTM F2170). Use only when the substrate temperature is between 50°F and 90°F. Do not use to install vinyl-backed flooring.

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. Allow adhesive to flash 0 to 15 minutes before installing flooring.
4. Install flooring. Do not apply more adhesive than can be installed within 15 to 30 minutes.
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.
7. Clean tools 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 Subfloors		
	Flash Time*	Working Time*
Carpet and felt-backed vinyl sheet flooring	0 to 15 minutes	15 to 30 minutes

* *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	59% to 63%
VOCs	30 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
92164221	4 U.S. gals. (15,1 L)

TYPICAL TROWELS AND APPROXIMATE COVERAGES†



Rough-backed and ribbed carpet

1/8" x 1/8" x 1/8" U-notch trowel

70 to 80 sq. ft. per U.S. gal.



Smooth-backed carpet and felt-backed sheet vinyl

1/16" x 1/16" x 1/16" square-notch trowel

135 to 145 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

†† *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.**