



North American
ADHESIVES®

VCT Bond™ Plus

Clear Thin-Spread VCT Adhesive



PRODUCT DESCRIPTION

VCT Bond Plus is a VOC-compliant, latex-resin adhesive that is specifically designed for the installation of vinyl composition tile (VCT) in primarily commercial and institutional applications. It flashes quickly and has a strong initial tack that remains tacky for up to 12 hours. *VCT Bond Plus* dries rapidly to a thin and semi-transparent film, allowing layout chalk lines to remain visible for easier installation. *VCT Bond Plus* contains a small addition of solvent to the formulation for faster performance and enhanced bonding characteristics.

FEATURES AND BENEFITS

- Quick flash time and aggressive initial tack
- 12 hours of tack time
- Can be used over old cutback adhesive residue

USES

- For interior residential (rental apartments and condominiums)
- For interior commercial (office buildings and cafeterias)
- For interior institutional (hospitals, schools, universities, libraries and government buildings)

SUBSTRATE REQUIREMENTS

All substrates must be structurally sound, dry, solid and stable. The 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. Consult Technical Services for installation recommendations regarding substrates and conditions not listed.

SUITABLE SUBSTRATES (properly prepared)

- 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
- Properly prepared asphalt cutback adhesive residue

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
- The 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. (2,27 kg per 92,9 m²) 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 92% (ASTM F2170).
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).
- Install only in areas that are recommended by the flooring manufacturer. The product is not recommended for areas that are 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.



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MIXING

Consult the Safety Data Sheet for safe-handling instructions.

- Ready to use; no mixing is necessary.

APPLICATION

1. Select the appropriate notched trowel (see the "Approximate Coverage" chart).
2. Spread adhesive evenly over the subfloor, keeping the trowel at a 45-degree angle to the subfloor.
3. Allow adhesive to dry until it no longer transfers to the finger when touched (about 30 to 45 minutes for porous substrates and 45 to 60 minutes for nonporous substrates).
4. Install flooring in strict accordance with the flooring manufacturer's written instructions. Do not spread more adhesive than can be installed within 12 hours.
5. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.

CLEANUP

- Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet. Clean tools with water while the adhesive is still fresh/wet.
- Use mineral spirits once the adhesive has dried. Use caution with mineral spirits, which may be harmful to some materials.

PROTECTION

- Protect from light traffic for 24 hours and from heavy traffic for 72 hours.
- 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.

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Product Characteristics	
Color	Light beige
Packaging	Pail: 4 U.S. gals. (15,1 L)
Polymer type	SBR emulsion solution
Percent solids	66% to 68%
VOCs (Rule #1168 of California's SCAQMD)	34 g per L
VOCs (Section 01350 of California's CDPH)	Passed
Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C)
Storage conditions	50°F to 90°F (10°C to 32°C)
Flash point (Tag)	> 200°F (93°C)



Application Characteristics over Porous Substrates		
	Flash Time [†]	Working Time ^{††}
VCT	30 to 45 minutes, or until dry to touch	12 hours

Application Characteristics over Nonporous Substrates		
	Flash Time [†]	Working Time ^{††}
VCT	45 to 60 minutes, or until dry to touch	12 hours

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

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

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

Approximate Coverage*		
Flooring Type	Typical Trowel Size	Coverage
VCT over porous surfaces	1/16" x 1/16" x 1/16" (1,5 x 1,5 x 1,5 mm), square-notch 	135 to 145 sq. ft. per U.S. gal. (3,31 to 3,55 m ² per L)
VCT over smooth, nonporous surfaces	1/32" x 1/16" x 1/32" (1 x 1,5 x 1 mm), U-notch 	250 sq. ft. per U.S. gal. (6,12 m ² per L)

* Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.

Industry Standards and Approvals	
RFCI IP #2 – Recommended Installation Practice for Vinyl Composition Tile (VCT)	
LEED v4 Points Contribution	LEED Points
Health Product Declaration (HPD)**	Up to 2 points
Additional Green Certifications	
CRI Green Label Plus #GLP00530. Refer to the CRI's Website at www.carpet-rug.org for additional information.	

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



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Refer to the Safety Data Sheet for specific data related to health and safety as well as product handling. For the most current product data and warranty information, visit www.na-adhesives.com.

PR: 8658 MKT: 17-2405

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the NAA product installation. For the most up-to-date TDS and warranty information, visit our Website at www.na-adhesives.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED NAA WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **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.**