



**North American**  
**ADHESIVES®**

# VCT Bond™ Super

**Premium Clear, Thin-Spread VCT Adhesive**



## PRODUCT DESCRIPTION

*VCT Bond Super* provides fast dry times, good grab and excellent slip resistance. Use it to install vinyl composition tile (VCT) on approved substrates as well as over an existing single layer of VCT. With good moisture resistance, it is suitable for use over fresh concrete slabs with moisture vapor emission rates (MVERs) up to 8 lbs. per 1,000 sq. ft. (3,63 kg per 92,9 m<sup>2</sup>) per 24 hours.

## FEATURES AND BENEFITS

- Quick-drying for fast-track VCT installations
- Superior tack and bond to minimize tile movement
- Dries clear so that layout lines remain visible during installation
- High moisture resistance – up to 8 lbs. (3,63 kg) in MVER
- Low-odor formula for use in occupied buildings
- CRI Green Label Plus certified

## USES

- For interior residential (rental apartments, condominiums, etc.)
- For interior commercial (office buildings and cafeterias)
- For interior heavy commercial (shopping malls, grocery stores and department stores)
- 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, and any other substance or condition that may prevent or reduce adhesion. All surfaces must be level, even, flat and smooth. Concrete as well as cement-based underlayments and patches must be fully cured and free of any hydrostatic and/or moisture problems. Use anhydrous calcium chloride tests to determine MVERs according to ASTM F1869. Concrete slabs exceeding 8 lbs. (3,63 kg) in MVER should be treated with a moisture

vapor reduction product such as *Vapor Guard™ Plus* from North American Adhesives. Refer to Technical Data Sheets at [www.na-adhesives.com](http://www.na-adhesives.com). 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 manufacturer 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
- A single layer of properly prepared, fully bonded VCT
- Properly prepared and primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength

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 use to install nonporous floor coverings over nonporous surfaces.
- Do not use to install solid vinyl flooring products.
- Do not use to install vinyl-backed carpet products.
- Do not apply over any adhesive residues, including cutback.
- Do not install when the MVER exceeds 8 lbs. per 1,000 sq. ft. (3,63 kg per 92,9 m<sup>2</sup>) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when the relative humidity of concrete slabs exceeds 95% (ASTM F2170).
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and the ambient relative humidity is below 65%.



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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 touch (about 15 to 30 minutes for porous substrates and about 30 to 45 minutes for nonporous substrates).
4. Install flooring.
5. Periodically confirm adhesive transfer to the backing by lifting the flooring material.
6. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.

## CLEANUP

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

## PROTECTION

- Protect from light traffic for at least 24 hours. Protect from heavy traffic for at least 48 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	Off-white
Packaging	Pail: 1 U.S. qt. (946 mL) Pail: 1 U.S. gal. (3,79 L) Pail: 4 U.S. gals. (15,1 L)
Polymer type	SBR emulsion solution
Percent solids	60% to 65%
VOCs (Rule #1168 of California's SCAQMD)	11 g per L
VOCs (Section 01350 of California's CDPH)	Passed
Shelf life	2 years when stored in original packaging at 73°F (23°C)
pH	9 to 10
Trowelability	Light, easy
Density	8.9 lbs. per U.S. gal. (1,05 g per L)
Consistency	Creamy
Storage conditions	40°F to 100°F (4°C to 38°C)
Flash point (Tag)	> 212°F (100°C)
Protect from traffic	24 hours for light traffic; 48 hours for heavy traffic


Application Characteristics over Porous Substrates		
	Flash Time <sup>†</sup>	Working Time <sup>††</sup>
VCT	15 to 30 minutes	8 to 16 hours

Application Characteristics over Nonporous Substrates		
	Flash Time <sup>†</sup>	Working Time <sup>††</sup>
VCT	30 to 45 minutes	8 to 16 hours

<sup>†</sup> Flash time is the waiting time required before installation of flooring.

<sup>††</sup> Working time is the window of time for the adhesive to accept flooring.

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	1/32" x 1/16" x 1/32" (1 x 1,5 x 1 mm), U-notch 	60 to 75 sq. ft. per 1 U.S. qt. (5,57 to 6,97 m <sup>2</sup> per 946 mL) 250 to 500 sq. ft. per 1 U.S. gal. (23,2 to 27,9 m <sup>2</sup> per 3,79 L) 1,000 to 1,200 sq. ft. per 4 U.S. gals. (92,9 to 111 m <sup>2</sup> per 15,1 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	
LEED v4 Points Contribution	LEED v4 Points
Health Product Declaration (HPD)**	Up to 2 points
Additional Green Certifications	
CRI Green Label Plus #GLP00530. Refer to the CRI's Website at <a href="http://www.carpet-rug.org">www.carpet-rug.org</a> for additional information.	
Living Building Challenge (LBC) Red List Free: This product has been verified per the most current Red List on the LBC's Website.	

\*\* 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](http://www.na-adhesives.com).

PR: 8456 MKT: 17-1762

## 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](http://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.**