



VCT-Lock™

MOISTURE RESISTANT VINYL COMPOSITION TILE ADHESIVE

KEY FEATURES

- Approved for use over 'cutback' stains
- Solvent-free
- Extended working time

DESCRIPTION

VCT-Lock™ is a solvent-free adhesive that dries translucent. Tiles may be laid into the adhesive for an extended period of time after drying. Aggressive tack permits installers to work off tiles. This low-odor adhesive can be used in occupied environments such as hospitals, schools, nursing homes, hospitality, and food preparation centers. VCT-Lock™ is highly water resistant when dry. VCT-Lock™ contains an advanced antimicrobial system to protect the adhesive from bacteria and fungal growth. VCT-Lock™ has an extended working time provided it remains free of dust and dirt.

ULTIMATE VERSATILITY

VCT-Lock™ may be used with most manufacturers' vinyl composition tiles.

MOISTURE & ALKALI RESISTANCE

VCT-Lock™ is resistant to moderate amounts of moisture vapor and alkaline conditions. Always measure the in situ RH of concrete slabs in accordance with ASTM F2170, and test the pH of the slab. VCT-Lock™ may be used on slabs with RH readings up to 95% and a pH between 8.0-10.0.

LEED® CONTRIBUTION

VCT-Lock™ has a low VOC formulation and may contribute toward LEED® credits under LEED® v4 Credits: IEQ Credit 2.1 and IEQ Credit 2.2.

DIRECTIONS FOR USE

Follow floor-covering manufacturer's installation instructions and proper adhesive application rate and method. All substrate preparation and testing procedures must conform to appropriate ASTM F710 guidelines, and comply with the floor-covering manufacturer's specification.

PLEASE NOTE: It is up to the end user to determine the coverage that is appropriate for flooring and jobsite conditions. Bond testing prior to the installation will help identify the appropriate application rate, open and working time, and any potential bonding



problems to the substrate or flooring. Due to the many additives being used in or on concrete slabs it is critical that the bond test be performed. Some treatments will repel any sealer or adhesive.

IF USAGE INSTRUCTIONS ARE NOT COMPLETELY FOLLOWED, DO NOT USE THIS PRODUCT.

SURFACE PREPARATION

Surfaces must be clean, dry and flat; free of voids, projections, loose materials, oil, grease, sealers and all other surface contaminants. Mechanically remove all surface contaminants by grinding or scarifying the substrate. Surface areas requiring patching or leveling must be treated using Bostik UltraFinish™ Pro, Webcrete® 95™ & Webcrete® 98™ cement patches and/or Bostik SL-100™, SL-150™, SL-175™, or SL-200™ self-leveling underlayments. Refer to the use instructions of these products for proper installation.

PLEASE NOTE: VCT-Lock™ is not a moisture vapor barrier. Bostik D-250™ Moisture Vapor Barrier Coating or Slab-Cote™ Extreme Moisture Vapor Barrier Coating are recommended for installations where moisture and/or alkalinity in excess of stated limits may exist or might occur from the concrete slab.

INSTALLATION

Spread VCT-Lock™ evenly with the proper trowel as described below and allow to dry completely. Open time is influenced by substrate porosity and atmospheric conditions (i.e. temperature, humidity, and air movement). For best results maintain adhesive, floor covering, and room at a stable temperature of 65°F – 85°F (18°C – 30°C) continuously for 48 hours before and after installation. Relative humidity must be maintained between 45–65%. Refer to the suggested trowel and flash time chart below for suggestions specific to the type of floor covering you are installing. Always roll the flooring when the installation is complete. Follow manufacturer recommendations for rolling and/or cross-rolling the flooring during installation.

OPEN TIME

Temperature, humidity and substrate porosity affect the flash time and working time. The higher the temperature, the lower the humidity, and the more porous the substrate, the faster the flash time and working time. VCT tiles may be placed immediately once the adhesive is dry, and up to 16 hours afterwards, provided the adhesive remains free of dust, dirt, foot traffic or other sources of contamination.

IMPORTANT: The optimum open time and working time will both vary depending on the ambient temperature and humidity, the substrate porosity, and spread rate.

TRAFFIC

Immediately after the placement of flooring is completed, roll the entire installation in both directions with a 100 lb 3-section roller. Follow the flooring manufacturer's installation guidelines; otherwise restrict foot traffic for 24 hours after installation. No heavy traffic, rolling loads, or furniture placement for 72 hours after installation. Wait at least 48 hours before beginning cleaning and polishing, or follow the flooring manufacturer's guidelines. Additional time may be necessary if the installation is over a non-porous substrate. Allow at least five days following the installation before conducting wet cleaning procedures or initial maintenance.

CLEANUP AND STORAGE

As you work, immediately clean any adhesive from resilient flooring using a clean, damp cloth. Immediately clean all tools and equipment before adhesive cures. Follow flooring manufacturer's recommendation for clean-up. Use mineral spirits or other solvent may be needed to remove dried adhesive. Some flooring may not be compatible with solvents such as mineral spirits. The product should be stored in the original container in a cool, dry place and out of direct sunlight. Do not allow product to freeze. If the product should freeze, store at 75°F (25°C) until completely thawed, then thoroughly mix contents. Test carefully to ensure the product performance has not been compromised.

LIMITATIONS

- This product is for interior installations only.
- Do not use this product where excessive moisture and alkalinity exceed limitations stated above.
- Test all concrete slabs for moisture per ASTM F2170 to determine RH. For slabs exceeding 95% RH, treat with Bostik's D-250™ or Slab-Cote™ Moisture Vapor Barrier Coating. Please refer to D-250™ or Slab-Cote™ Data Sheets.
- Do not use this product when the substrate temperature is below 65°F (18°C) or above 85°F (30°C) or when the relative humidity exceeds 65%.

CHEMICAL & PHYSICAL PROPERTIES

Use Environments	Offices/Light Commercial	Yes
	Residential	Yes
	Hospitality	Yes
	Heavy Commercial	Yes
	Hospital/Healthcare	Yes
	Exterior	No
	Wet Areas	No
Substrates	Concrete	Yes
	Plywood	Yes
	OSB Underlayment	Yes
	Well-Bonded Vinyl	Yes
	Terrazzo	Yes
	Prepared Metal	No
	Asphalt	No
Flooring Types	LVT or LVP	No
	Sheet Vinyl	No
	VCT	Yes
	Rubber	No
	Cork	No
	Carpet Tiles	No
	PVC backings	No
	Linoleum	No
	Olefin-backed Vinyl	No
Cured Physical Properties	Time to light foot traffic	24 hours
	Full return to service	48 hours
	Furniture Placement	72 hours
	Rolling Loads Capacity	Heavy
	Slab Moisture Limits	95% RH
	pH Resistance	8.0-10.0
Uncured Physical Properties	Ease of Troweling	Easy
	Odor	Slight
	Required Flash Time	0-15 minutes
	Working Time	16 hours
	Color	Tan
	Density (lbs/gallon)	8.5
	Freeze/Thaw	Do Not Freeze
Chemical Properties	Chemistry Type	Acrylic
	Adhesive Type	Pressure Sensitive
	VOC*	19 g/L
	Plasticizer Resistant	Yes
	Solvent Free	Yes
	Flash Point	>212°F
	% Solids	60%

* As calculated per SCAQMD Rule 116B

- Do not use on wet, dusty, contaminated, or friable substrates; do not use over substrates/slabs treated with sealers or curing compounds; do not use in areas subject to hydrostatic head.
- It is critical that a bond test is done prior to actual installation using the adhesive and flooring material to confirm compatibility, application techniques, and/or proper performance of the adhesive.

PACKAGING

VCT-Lock™ is available in 4 gallon plastic pails (48 pails per pallet).

COVERAGE

Ensure proper adhesive coverage and transfer. Most resilient flooring types require >95% transfer. Trowel sizes listed below are suggested to ensure proper bond while maximizing coverage of adhesive.

SHELF LIFE

Shelf life is two years from date of manufacturing in unopened, original packaging when stored at temperatures between 65°F (18°C) and 95°F (35°C).

TROWEL RECOMMENDATIONS

Over porous substrates: 1/16" x 1/32" x 1/32" U-Notch

Coverage: 220-260 square feet per gallon
(5.4-6.4 square meters per liter)

Over non-porous substrates: 1/16" x 1/32" x 5/64" U-Notch

Coverage: 350-400 square feet per gallon
(8.6-9.8 square meters per liter)

CAUTION

MAY IRRITATE EYES, SKIN AND RESPIRATORY TRACT. Do not get in eyes, on skin or on clothing. Do not breathe fumes. Use with adequate ventilation. Wash thoroughly after handling. Store container in a cool, dry area with lid tightly sealed. Do not reuse container.

KEEP OUT OF REACH OF CHILDREN

FIRST AID TREATMENT

If in eyes or on skin, rinse with water for at least 15 minutes. If inhaled, move person into fresh air. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

SEE SAFETY DATA SHEET

CHEMICAL EMERGENCY: 800-424-9300 (USA),
703-527-3887 (International)

MEDICAL EMERGENCY: 866-767-5089

LIMITED WARRANTY

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BOSTIK HOTLINE

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