



VECT-R System™

Product Information Sheet

PRODUCT DESCRIPTION

The VECT-R System™ is effective in protecting all flooring and coatings from damage due to high alkalinity, moisture vapor emission and high in situ relative humidity conditions. VECT-R is a fast and economical solution to repair concrete that has not met with the floor manufacturer's requirement for safe installation.

The SINAK VECT-R System can be installed in one day. The system consists of two components: VECT-R PENETRANT and VECT-R V-POXY. If a cementitious topping is required, VECT-R INTERLOCK is suggested, however virtually any self-leveling or skim topping can be utilized.

VECT-R is warranted for 10-years for both labor and materials against flooring/coating failure due to alkalinity and/or moisture emanating from the concrete. Fifteen year warranties are available.

VECT-R PENETRANT – is a lithium-based liquid that is reactive inside concrete which reduces moisture vapor emission rates and stabilizes alkalinity.

VECT-R V-POXY – is a 100% solids epoxy applied in a single coat that will provide a durable film that will lower moisture vapor emission rates to 2 lbs or less in most cases, and below 3 lbs in all cases. It will also protect flooring and coatings that are sensitive to high in situ relative humidity conditions (up to 100%).

VECT-R INTERLOCK – is a polymer modified cementitious material that will readily bond to VECT-R V-POXY to provide a thin, durable cementitious topping that is ideal for flooring/coating products that require one. VECT-R INTERLOCK can be used as a fill/bond topping or it can be used to make the surface smooth and floor-ready.

APPLICATION

Prior to installing the SINAK VECT-R System the concrete will require a minimum International Concrete Repair Institute (ICRI) concrete surface profile (CSP) of 3. For more information on this preparation requirement, go to the ICRI website.

PENETRANT – Using a tank type or airless sprayer apply four (4) light coats allowing each to dry prior to applying the next. Final spread rate will be approximately 200 - 250 sq ft per gallon. Use fans to move air after applying each coat to expedite the process. Allow the fans to continue running after applying the final coat of PENETRANT to further aid in the drying process. After the final coat of PENETRANT has dried for a minimum of 4 hours, proceed with the application of V-POXY. For further installation instructions, please refer to the PENETRANT product information sheet.

V-POXY – Use a drill motor and mixing paddle to mix one part V-POXY "A" with one part V-POXY "B". Mix at a slow speed to minimize trapped air. Apply in a single coat using a 1/8" notched squeegee or 1/8" notched trowel, then back roll using a 9" or 18" roller to ensure even product distribution. Spread rate shall not exceed 200 sq ft per gallon. V-POXY will require a minimum of 4-6 hours drying time prior to proceeding to next step. If any transfer occurs or the film remains tacky, do not proceed. For further installation instructions, please refer to the V-POXY product information sheet.

INTERLOCK – Should a cementitious surface be required prior to placement of flooring or coatings, INTERLOCK is recommended. Apply only after V-POXY has achieved a tack free condition, usually between 4 – 6 hours after placement. For further installation instructions, please refer to the INTERLOCK product information sheet.

Cooler temperatures cause VECT-R components to dry at a slower rate. Do not apply additional coats until the previous has dried completely. Do not apply in temperatures below 40°F.

Warmer temperatures cause VECT-R components to dry at a faster rate. Do not apply in temperatures above 110°F. Temperatures above 80°F will shorten pot life for V-POXY.

GENERAL INFORMATION

Storage and Handling: Store components in a cool dry area out of direct sunlight. Must be kept in tightly secured containers to prevent evaporation and contamination. All components MUST be protected from freezing. Product that has frozen will not function as intended, and should be discarded.

Product Availability: SINAK VECT-R System is available from SINAK Corporation and through certified applicators.

Composition and Materials: Refer to individual product information sheets for more information.

WARRANTY

SINAK Corporation warrants the VECT-R System™ will prevent flooring failure from alkalinity and/or moisture emanating from the concrete for a period of 10 years.

Concrete must be in accordance with normally accepted standards and guidelines by American Concrete Institute ACI 302 and state and local building codes. Concrete mix design must be at or below a .50 water cement ratio.

In case of failure, and in order to be covered by the warranty, the SINAK VECT-R materials must be delaminating from the concrete.

In the event of failure from moisture and/or alkalinity emanating from the concrete SINAK Corporation will provide materials and labor to retreat and replace the flooring/coating in the affected area(s).

For a copy of the SINAK Warranty please visit www.sinak.com or call us at (800) 523-3147.

See reverse side for sample warranty.

Form 151101



Sample Warranty

SINAK Corporation warrants that the SINAK VECT-R System is of the highest quality as measured by exacting manufacturing standards. When applied by a SINAK Certified Applicator or under SINAK approved supervision it will prevent flooring failure due to moisture and alkalinity emanating from the concrete; and reduce vapor emission levels suitable for all floor covering installations; and will protect against high relative humidity within the concrete for a minimum period of 10 years from the date of application.

Conditions

The concrete must have a water/cement ratio of 0.50 or less and must have been mixed, placed and finished in accordance with guidelines by the American Concrete Institute ACI Manual of Concrete Practice, ACI 302.1R-04, "Guide for Concrete Floor and Slab Construction," excepting that curing with SINAK VC5 or SINAK The Cure (WCE) is acceptable. This reference and exception is hereinafter referred to as Reference A.

Exclusions

This warranty does not cover flooring and/or coating failures from causes other than moisture and alkalinity originating from the treated concrete; and is in effect only if the V-Poxy is lifting from the substrate due to concentrated alkaline salts forming at the bond line, thereby softening or dissolving V-Poxy itself. The following causes of flooring and/or coating damage or failure are excluded from coverage under this warranty; ASR (alkali-silica reaction); AAR (alkali-aggregate reaction); ACR (alkali-carbonate reaction); chemicals, salts (e.g. sulfates) and/or contaminants originating from the underlying soil; conditions covered in Reference A, Chapter 11 "Causes of Floor and Slab Surface Imperfections"; concrete containing chloride, silicates, or water repellent admixtures (all other admixtures must be used in compliance with Reference A, Chapter 5, 5.7 – Admixtures); topical intrusion of moisture and/or chemicals; improper installation (including wet lay-ins); use or defects associated with preparation materials, adhesives, flooring goods or coatings; and movement of joints or cracks.

Remedy

In the event of failure of floor covering materials from moisture and alkalinity emanating from the concrete; and under the above conditions, SINAK Corporation will provide materials and labor to retreat and/or recoat the affected area(s); including replacement of floor covering in the affected area(s). Retreated/recoated area(s) shall be covered for the remainder of the warranty period. This is our only warranty. We make no other warranty, express or implied, including merchantability or fitness for a particular purpose.