



Vapor-Shell™ APPLICATION GUIDE

SURFACE PREP*

New concrete should be allowed to cure for a minimum of 28 days. The concrete must be structurally sound, dry, and free of grease, oils, dust, curing compounds and other coatings or contaminants. Surface laitance must be removed. Rising moisture vapor emission rate must not exceed 28 lbs. per 1000 sq. ft. over a 24 hour period as measured by calcium chloride test method ASTM F-1869 or 100% RH. The preferred method of surface preparation is to shot blast, reference profile CSP-3 according to ICRI. If patching is required, use SEAL-KRETE Fast Cure High Strength Concrete Repair.

MIXING AND APPLICATION INSTRUCTIONS

MIXING: Do not alter mixing ratios in any way. Part A and Part B are supplied in the correct mixing ratios. Always mix full kits. Mix Part "A" by using a low speed drill with mixing attachment for 2 minutes. Add Part "B". Mix an additional 2 minutes. Mix only the amount of material that can be applied during the pot life (approximately 17 minutes, depending on air/surface temperatures). Do not aerate the mix. Scrape all sides and bottom of container to ensure thorough mixing. Apply immediately.

APPLICATION STEPS:

Apply Seal-Krete Vapor-Shell at substrate and ambient temperatures between 50°F and 90°F. Seal-Krete Vapor-Shell is applied in one coat using a notched squeegee and 3/8" in nap epoxy rated roller. Spread the material to the appropriate coverage rate of 16mils using a notched squeegee. Immediately back roll with a 3/8" in epoxy rated roller preferable at a right angle to the direction of the squeegee application, evenly distributing the product across the entire area. Then immediately back roll with a spiked roller to help release entrapped air created from the mixing or application process.

NOTE: Do not spike roll after 20 minutes.

When Seal-Krete Vapor-Shell is applied to the concrete surface, it may flow into voids that are connected to the surface. Air is displaced out of these voids as the coating flows in, resulting in "out gassing." If excessive surface voids, pin holes, or bubbles are encountered, contact the Seal-Krete technical team before proceeding.

Ensure that Seal-Krete VAPOR-SHELL is pore-free and pinhole-free and provides uniform and complete coverage over the entire concrete substrate. If necessary, apply an additional coat to ensure that the coating is pore-free and pinhole-free and provides uniform and complete coverage over the entire concrete substrate.

RECOMMENDED TOPCOATS

Epoxy-Shell WB 250
Epoxy-Shell WB 50
Poly-Shell 1000
Poly-Shell 7000
Epoxy-Shell 1000
Dura-Shell WB

LIMITATIONS

Do not aerate during mixing. Apply when temperature is 50° to 90°F. Do not apply if water or ice is present. Lower temperatures will slow cure time. Do not store SEAL-KRETE Vapor-Shell at temperatures below 50°F or above 95°F. Cure new concrete 28 days before application. SEAL-KRETE Vapor-Shell will yellow upon prolonged exposure to sunlight or high intensity artificial lights.

Do not apply while ambient and substrate temperatures are rising, as pinholes may occur.

- For interior use only
- Do Not apply to wet surfaces (no visible water)
- Surface must be properly cleaned and prepared prior to application
- Do not thin
- Do no broadcast into this coating, as it will affect permeance
- Do no apply less than 16 mils
- Concrete should be a minimum of 2500 psi.

COVERAGE GUIDE

MVER / RH	mil thickness	sq.ft. / gal
≤ 28 lbs. / 100%	16	100

Seal-Krete VAPOR-SHELL is to be applied at a minimum thickness of 16 mils. Seal-Krete VAPOR-SHELL, when applied at a minimum of 16 mils thickness, will reduce vapor emission rate up to 28 lbs./1,000 sq.ft./24 hr and maximum RH of 100%. To insure proper coverage, periodically check mil thickness using a Wet Film Thickness Gauge.

RECOAT SCHEDULE @16MILS WET

50°F	70°F	90°F
16 hrs / 24 hrs max	8 hrs / 24 hrs max	4 hrs / 24 hrs max



Convenience Products
306 Gandy Rd., Auburndale, FL 33823 USA
Questions or comments? e-mail: tech@seal-krete.com or call 1-800-323-7357

Country of Origin: U.S.A.

HOW TO TREAT CONCRETE®

hp.seal-krete.com



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APPLICATION GUIDE

CLEAN-UP, STORAGE AND DISPOSAL

CLEAN-UP: Clean tools and application equipment immediately after use with an active solvent like xylene. Clean spills or drips while still wet with solvent. Dried SEAL-KRETE Vapor-Shell will require mechanical abrasion for removal.

HANDLING: Irritating to eyes, skin and mucus membranes. Do not breathe mixed product vapors or dusts. Provide adequate ventilation. May cause sensitization by prolonged skin contact and/or inhalation.

KEEP FROM FREEZING: Store in a cool, well ventilated area above freezing.

DISPOSAL: Collect with absorbent material. Dispose of in accordance with current local, state and federal regulations.

FIRST AID

Caution: Part A Contains: Reaction products of Epichlorohydrin and Bisphenol A. Part B Contains: Isophorone Diamine, Benzyl Alcohol and Cycloaliphatic Amine Adduct. **INHALATION:** In the unusual event of lung irritation, (coughing, wheezing or breathing difficulty), remove from exposure area into fresh air immediately. If breathing continues to be difficult, trained personnel should administer oxygen. Seek medical attention. **EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present, continue to flush eyes. Get medical attention if severe/persistent irritation develops, or if conjunctivitis appears. **SKIN:** Remove contaminated clothing. Wash off with soap and water. Get medical attention if irritation develops and persists. **INGESTION:** DO NOT induce vomiting. Wash mouth out with water. If conscious and alert, drink 2–4 cups of milk or water. Seek medical attention.

KEEP OUT OF REACH OF CHILDREN. This product is NOT intended to be used by children.

CAUTION: May cause skin and eye irritation. Do not breathe mixed product vapors or dusts. For respiratory problems, move to fresh air. Only apply this product with adequate mechanically forced ventilation. The use of safety goggles or glasses, chemical resistant gloves and work clothing covering all exposed skin is highly recommended. Consult Material Safety Data Sheet (MSDS) for additional information.

WARRANTY: Conditional warranty of 1 -2 years available. Contact SEAL-KRETE Technical Service. SEAL-KRETE warrants this product will be free of defects at time of use or within product's shelf life.

TECHNICAL SUPPORT: For more information on surface prep or application guidelines, or to obtain a Material Safety Data Sheet, call 1-800-323-7357, M-F (8:00 am–5:00 pm EST) or visit our website at hp.seal-krete.com.



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