

100% SOLIDS EPOXY MOISTURE VAPOR BLOCKING PRIMER

DESCRIPTION:

ROCK-BLOCK Moisture Barrier is a 100% solids, two component, high-performance epoxy primer uniquely formulated to effectively reduce moisture vapor emission rates (MVER) through a concrete slab to levels that allow subsequent installation of non-permeable floor finishes. When properly applied to the top side of a concrete slab per ROCK TRED specifications, **ROCK-BLOCK Moisture Barrier** achieves a *CLASS I VAPOR RETARDER rating of 0.1 PERM OR LESS* per ASTM F3010-13. **ROCK-BLOCK Moisture Barrier** contains zero VOC and meets all USDA/FDA guidelines for use in federally inspected facilities.

USES:

ROCK-BLOCK Moisture Barrier is to be installed as a neat coating directly to properly prepared concrete substrates where moisture vapor drive is suspected or has been identified through testing procedures. **ROCK-BLOCK Moisture Barrier** deeply penetrates and bonds into concrete slabs to help lock down moisture and prevent moisture vapor drive from causing blistering or delamination in the floor finish. **ROCK-BLOCK Moisture Barrier** is the best primer for most ROCK-TRED polymer flooring systems, but can also be used to reduce MVER to levels that allow other floor finishes such as VCT, PVC sheet-goods, carpet tiles, rubber matting, etc. to be installed. **ROCK-BLOCK Moisture Barrier CAN BE APPLIED TO PROPERLY PREPARED CONCRETE WITH READINGS OF UP TO 99% RH per ASTM F2170. Contact ROCK-TRED for MVER questions when using ASTM 1869.**

TYPICAL COVERAGE:

ROCK-BLOCK Moisture Barrier is recommended to be applied in two successive applications of 150 - 200 square feet per gallon per coat to create a fully sealed, pin-hole free finish with a CLASS 1 PERMEABILITY RATING. One 16 mil application of **ROCK-BLOCK Moisture Barrier** is possible, but the finish must be PIN-HOLE FREE to provide an appropriate level of impermeability.

ADVANTAGES:

- 100% solids
- Cost effective
- Excellent adhesion
- 0 VOC, no solvent odor
- Five Year Warranty available
- Easy working, medium viscosity formula
- Independently lab tested and certified by CTL to achieve stated CLASS 1 PERM Rating when used as directed

TYPICAL PROPERTIES:

PHYSICAL PROPERTIES	
Volume mix ratio	Mix Full Kits ONLY
Viscosity (mixed)	700 - 1000 CPS Typical
Solids Content (%)	100 % (ASTM D-2697)
VOC	0 g/l (EPA method 24)
Hardness (ASTM D-2240)	70-80 (Shore D)
Application Temps.	55° - 85° F
Gel Time	10 - 20 minutes @ 75° F
Dry to Touch (recoat with ROCK-BLOCK Moisture Barrier)	2 - 4 hours @ 75° F
Through Cure (recoat with compatible finish coat)	5 - 8 hours @ 75° F
Open for Light Traffic	24 hours @ 75° F
Shelf Life	1 Year in unopened units

PACKAGING:

- 3 Gallon BAG-PAK™ Unit in a single pail
- 1.5 Gallon BAG-PAK™ Unit in a single pail

ROCK BLOCK Moisture Barrier

LIMITATIONS & FOR BEST RESULTS:

- Do not thin this product.
- Do not apply when humidity exceeds 70% indoors.
- Allow each coat to dry to 'tack-free' or clear prior to re-coat.
- When re-coating, always apply the next coat within 24 hours of completing the previous coat.
- Always apply in CLEAR and as a neat coating without incorporating any field thickeners, aggregates or decorative broadcast media.
- Perform a thorough site inspection and perform ASTM F2170 and ASTM F710 to determine the present condition of the slab to be coated.
- **DO NOT SPLIT KITS – mix entire Bag-Pak unit.**

PRODUCT APPLICATION:

Apply by brush, squeegee and ½ inch nap roller to create a uniformly thick and pinhole free finish. If air bubbles are seen after the first coat, cut off the bubble and apply material to fill the pinhole or other porous areas prior to applying a second coat. ROCK-TRED product test data is based on environmental temperatures of 75°F. Viscosity and working time are always affected by temperatures above or below that mark. When applying product always consider the ambient, surface, and product temperature at the time and place of installation.

COLOR AND TEXTURES:

ROCK-BLOCK Moisture Barrier is manufactured in Clear (light straw) ONLY and cannot be field pigmented or broadcast to add texture.

CHEMICAL RESISTANCE:

ROCK-BLOCK Moisture Barrier is not intended for use as a finish coat. Choose an appropriate ROCK-TRED finish coating with proper chemical resistance levels if required. Always refer to ROCK-TRED's chemical resistant chart for specific information on each product / system or contact ROCK-TRED directly.

PRODUCT STORAGE:

DO NOT allow ROCK-TRED products to freeze. All ROCK-TRED products should be properly stored above the floor on pallets or shelves, and in an area that has a constant minimum temperature of 50°F.

WARRANTY: ROCK-BLOCK Moisture Barrier is supplied with ROCK-TRED's Standard Warranty at time of purchase. An extended 5 year ROCK-BLOCK Warranty is available through ROCK-TRED. Please contact ROCK-TRED directly for more information regarding how to obtain an extended ROCK-BLOCK Warranty.

SURFACE PREPARATION: Always apply ROCK-TRED products to a clean / sound substrate that is free of laitance, grease, oils, debris, and curing compounds. Concrete substrates should be properly cured per ACI 302 and should have reached 98% of its total strength prior to application of product [except as otherwise noted on the individual Product Data Sheet]. Always remove all coatings/floor finishes completely to expose bare concrete. Mechanical preparation by means of shot-blasting to a minimum CSP-3 profile is the best and recommended preparation method for ROCK-BLOCK Moisture Barrier applications, but if shot-blasting is not possible diamond grinding to a CSP-2 and thoroughly vacuuming is acceptable. If the substrate is not properly prepared and the appropriate profile is not achieved, failure of the product to adhere to the substrate may occur.

CLEAN UP:

Application tools and equipment should be cleaned with typical epoxy solvents.

DISPOSAL:

Product containers will contain product residue and must be disposed of properly. Label warnings must be observed at all times. All containers must be disposed in accordance with federal, state, and local regulations.

IMPORTANT NOTICE:

Always read and acquaint yourself with ROCK-TRED'S Product Data Sheet, SDS [safety data sheet], and product labels for each individual product prior to mixing and prior to use. For further assistance, product questions, additional information and/or unexpected or unusual installation conditions – contact your Area Sales Representative or ROCK-TRED directly for recommendations. Kit components are pre-measured for optimal performance. Catalyzation errors due to incorrect mixing in the field voids product warranty.

WARRANTY: Information about ROCK-TRED products is given, to the best of our knowledge, based on tests and experience. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you make your own tests to determine suitability of the product for the particular purpose. As products are often applied or used under conditions beyond our control, ROCK-TRED cannot guarantee anything except the quality of its products. ROCK-TRED warrants that the products meet the specifications set forth by ROCK-TRED, but we reserve the right to change any given specification prior to notice. ROCK-TRED DISCLAIMS ALL WARRANTIES RELATING TO THE PRODUCTS AND THEIR APPLICATION, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Receipt of a ROCK-TRED product constitutes acceptance of the terms of this limited warranty and the terms and conditions set out in our invoice, contrary provisions of buyer's purchase documents notwithstanding. Upon receipt of the merchandise, purchaser has 30 days to notify ROCK-TRED, in writing, that materials are defective. In the event ROCK-TRED finds that the product delivered is off specification, ROCK-TRED will, at its sole discretion, either replace the product(s) or refund the purchase price thereof, and ROCK-TRED's choice of one of these remedies is the buyer's sole remedy. In no event shall the liability of ROCK-TRED exceed the purchase price of shipped merchandise. Claims must be in writing. Claims after 30 days are void. ROCK-TRED will, under no circumstances, be liable for special, incidental, or consequential damages. This warranty supersedes all other guaranties, whether oral or written, and whether expressed, implied, or statutory. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Certain products may contain chemicals that may cause serious physical injury. Before using, please read the Safety Data Sheet and follow all precautions to prevent bodily harm.