

CERTI-VEX ENVIO® STAIN BLOCKER

DESCRIPTION

CERTI-VEX ENVIO STAIN BLOCKER is manufactured from solvent-borne modified acrylic resins with selected pigments and fillers, to produce a cost effective coating that covers surface blemishes and stains such as water marks and graffiti.

It is designed to provide excellent adhesion, weatherability, and acceptance of top coats to prevent bleeding. It may be applied to green concrete without peeling or loss of adhesion, and provides excellent resistance to UV light, molds or fungi and environmental chemicals. The product may be applied to exterior or interior surfaces, above or below grade.

BENEFITS

- Meets USEPA & OTC AIM VOC regulations
- Blocks out surface blemishes and stains
- Apply directly to fresh concrete (< 28 days old)
- Excellent base coat for exterior masonry paints solvent and emulsion
- Resistant to acids, alkalis and other environmental chemicals
- Resistant to mold and fungus
- Moisture retentive (aids curing of new concrete)
- No primer required
- Cost effective protection
- Highly durable
- Enhance appearance of topcoat, prevents reflection
- May be applied to 20° F (6° C)

SUGGESTED APPLICATIONS

Provides functional stain blocking for:

- | | | |
|--------------------|--------------------------|------------|
| • Retaining walls | • Concrete Bridges | • Tunnels |
| • Precast Concrete | • Tiltup Panels | • Ceilings |
| • Stucco | • Remodeling/Restoration | • Columns |
| • Roof Members | • Cinder Block | • Parapets |

SURFACE PREPARATION

- Surfaces should be cleared of all foreign materials such as oil, grease, asphalt, atmospheric stains, dirt and powdery substances using one of Vexcon's **Concrete and Masonry Cleaners**. For more information go to vexcon.com/cleaners.
- On old or existing masonry or concrete surfaces where there is loose scaly residue, sandblasting or wire brushing may be necessary.
- Small cracks, voids and blemishes may be filled by troweling **Certi-Vex Envio Tex** or **Certi-Vex Patch RTU** with a large flat bladed spatula.
- Large holes and damaged areas should be repaired using one of Vexcon's high quality repair mortars.
- Plywood, wood and metal surfaces should be primed with **Certi-Vex AC 1315** or **StarSeal 1315**.

APPLICATION

- Before applying follow the directions for surface preparation above.
- Certi-Vex Envio Stain Blocker may be applied to damp concrete or masonry surfaces. Apply by ½" to 1" roller depending on surface, indoor or outdoor or spray (see equipment section).
- Roller should not be permitted to dry. Keep roller wet with paint. Lay off topcoating, back roll in one direction only with wet roller, taking roller off the wall with each stroke to prevent swirls and W's.
- Use 1" nap roller to achieve a pin hole free surface. A single continuous coat will provide waterproofing properties, but it is always suggested to use a thinner second coat to even out application.
- Material must be stirred or agitated thoroughly before use. Shaking is not sufficient, mechanical mixing must be used.
- When spraying, particular care must be taken with spray overlap area. Proper technique for spraying calls for a pattern one half the diameter that is used for typical masonry coatings.
- Certi-Vex Envio Stain Blocker may be applied to damp or green concrete as long as there are no slick water surface spots visible.
- Do not apply if rainfall is imminent or on frosted or frozen surfaces. Apply above 45° F (7° C). May be applied below 45° F (7° C), please contact Vexcon for details.
- Do not apply on highly windy days. Be especially careful of over spray.
- The material can be thinned slightly with paint thinner and applied by brush or roller, however, spraying is recommended.
- Application at a rate of 50-80 sq.ft./gal (1.25-2.0 m²/L) will provide an average dry film thickness of 13-18 mils (330-460 μm). Be careful to match color and texture when re-coating (see coverage chart).

SPECIFICATIONS/COMPLIANCE

- VOC – <350 grams/liter or 2.92 #/gallon
Meets:
 - US EPA AIM - Waterproofing Sealers and Treatments
 - OTC - Waterproofing Concrete/Masonry Sealers
 - LADCO - Waterproofing Concrete/Masonry Sealers
 - CEAP/EC - Waterproofing Concrete/Masonry Sealers
- CSI reference: 09 97 23 - Concrete and Masonry Special Coatings

SAMPLE ARCHITECTURAL SPECIFICATION

09 97 23: Basis of design: Concrete walls to have stain blocking shall be coated with Certi-Vex Envio Stain Blocker as manufactured by Vexcon Chemicals, a VOC compliant, modified acrylic paint. Surface will be coated at 50-80 sq.ft/gallon in accordance with manufacturers recommendation in product data sheet VW110 to provide a stain blocking coating for masonry surfaces.

SPRAYING EQUIPMENT INFORMATION

- Electric Graco Ultra 1000
- Air Graco Bulldog 30:1
- Gas Graco 5000
- Spray equipment must be cleaned and maintained in accordance with manufacturer's directions.
- Consult Vexcon for additional recommendations on spraying equipment and technique.

WARRANTY

Many applications have been in place for over ten years. Material applied according to manufacturer's instructions over suitably cleaned surfaces at the proper film thickness are covered by a five-year material replacement warranty. Contact Vexcon for complete warranty information.

PACKAGING

Certi-Vex Envio Stain Blocker is available in 50-gallon drums and 5-gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

SHELF LIFE

If properly stored in its original sealed container, one year from date of manufacture. Rotate your stock.

VITAL STATISTICS

- Flash Point 106° F (41° C) TCC
- Boiling Point 310-495° F (154-257° C)
- Autoignition Temp 473° F (245° C)
- VOC (g/L) <350g/L

Use foam, carbon dioxide and dry chemicals as extinguishing media for fires. Water may be used to reduce the rate of burning and to cool containers.

PHYSICAL PROPERTIES

- Weight Solids 70-71%
- Dry Time approx. 4 hr.
- Wt/gal 10.3-10.8 lbs.

HEALTH AND SAFETY

- Use of respirators is mandatory when using this product in confined areas.
- Use only with adequate ventilation.
- If swallowed, do not induce vomiting.
- Use of gloves, goggles and other protective clothing is advised when using this product.

Vexcon MSDS VW110 is an integral part of the safety and application of this product. Before using product, obtain a copy from your distributor or by contacting Vexcon Chemicals.

CONTACT US @

Additional product information, technical and customer service is available by contacting Vexcon Chemicals directly, or our distributors.

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- techservice@vexcon.com
- customerservice@vexcon.com
- sales@vexcon.com
- Voice: 888.839.2661
- Fax: 215.332.9997

WARRANTY

LIMITED WARRANTY: Vexcon warrants for a period of one (1) year from the date of manufacture that the goods supplied hereunder shall be of its standard quality and free of defects, and conforms to (a) Vexcon's published specifications in force on the date of acceptance by Vexcon of the order and (b) the sample which has been made available for testing by buyer prior to sale. Any claim under this warranty must be made in writing to Vexcon Chemicals within sixty (60) days after such non-conformity is first discovered. As the EXCLUSIVE REMEDY for any breach of this Limited Warranty, Vexcon at its option shall replace nonconforming goods or refund the purchase price. Since methods of use and application are beyond Vexcon's control, this Limited Warranty IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY IS ALSO IN LIEU OF ANY OTHER POSSIBLE LIABILITIES OF VEXCON, WHETHER ALLEGED TO ARISE BY AGREEMENT OR BY OPERATION OF LAW, RESPECTING THE SALE, APPLICATION, USE OR FUNCTION OF VEXCON'S PRODUCTS, INCLUDING BUT NOT LIMITED TO CLAIMS OF NEGLIGENCE, GROSS NEGLIGENCE, MISUSE, STORAGE DAMAGE, MISAPPLICATION, ACCIDENT, STRICT LIABILITY OR ANY OTHER TORT. No person is authorized by Vexcon to assume for it any other liability of any kind in connection with the sale or use of products manufactured and sold by it, and there are no oral agreements or warranties collateral to or affecting any sale or use. All of the foregoing arises under the substantive law of Pennsylvania without regard to principles of conflicts of laws.

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