



Performance Construction Chemicals

CERTI-VEX ENVIO® STAIN BLOCKER

VOC Content 296 gr./liter or 2.47 #/gal. – Waterproofing Concrete Sealer

DESCRIPTION

CERTI-VEX ENVIO STAIN BLOCKER is manufactured from solvent-borne modified acrylic resins with selected pigments and fillers, to produce coatings that cover surface blemishes and stains surfaces 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 show 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 EPA & AIM VOC regulations
- Blocks 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)
- Cover most surface defects
- No primer required
- Cost effective protection
- Highly durable
- Enhance appearance of topcoat, prevents reflection
- May be applied to 20° F, request Cold Weather Application Guide

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

SAMPLE ARCHITECTURAL SPECIFICATION

Concrete walls to have stain blocker shall be coated with STAIN BLOCKER as manufactured by Vexcon Chemicals, Inc., which meets the requirements of VOC. Surface will be coated at 100-150 sq.ft/gallon in accordance with manufacturers recommendation in Product Bulletin #VW110 to provide a stain blocking coat for masonry surfaces.

SURFACE PREPARATION

New masonry surfaces should be cleared of all foreign materials such as oil, grease, asphalt, mud and powdery substances. On old or existing masonry or concrete surface 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 by grouting or trowel filling with patching compound. Certi-Vex Envio Stain Blocker may be applied to damp concrete or masonry surfaces. 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. Apply by spray equipment (see equipment section). Material must be stirred or agitated thoroughly before use. 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 eminent 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 100-1 sq.ft./gal (m²/L) will provide an average dry film thickness of mils (330-460 μm).

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.

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.

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.

SHELF LIFE

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

CONTACT US @

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

- www.vexcon.com
- TechnicalService@vexcon.com
- CustomerService@vexcon.com
- Sales@vexcon.com
- Voice: 888.839.2661
- Fax: 215.332.9997

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) <350

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.

THIS PRODUCT INCLUDES

<u>MATERIAL OR COMPONENTS</u>	<u>CAS#</u>	<u>HAZARD DATA</u>	<u>UN#</u>
<u>PIGMENTS:</u>			
1. TITANIUM DIOXIDE	13463-67-7	RESPIRABLE DUST 5mg/m ³ TLV 5 mg/m ³ TOTAL DUST 15 mg/m ³ TLV 10 mg/m ³	
2. CALCIUM CARBONATE	1317-65-3	SAME AS ABOVE	
VINYL TOLUENE STYRENE			
ACRYLATE POLYMER	25085-34-1	NA	
STODDARD SOLVENT	8052-41-3	TLV 100 ppm	1255
BALANCE INERT FILLERS			

Common Name: Vinyl Toluene Acrylate Copolymer in Mineral Spirits

D.O.T. Shipping Name: ENVIO® STAIN BLOCKER (Non-Regulated)