



Performance Construction Chemicals

CERTI-VEX ENVIO[®] TEX VOC & CERTI-VEX ENVIO[®] SMOOTH VOC

Masonry Texture Paint and Waterproofer

VOC Content 296 gr./liter or 2.47#/gal. - Concrete Protective Coating

DESCRIPTION

CERTI-VEX ENVIO TEX VOC and **CERTI-VEX ENVIO SMOOTH VOC** are manufactured from solvent-borne modified acrylic resins with selected pigments and fillers including Portland cement, to produce decorative high-build coatings that cover surface blemishes and cracks. They are designed to provide excellent adhesion, weatherability and waterproofing of concrete, masonry, block, and wood and primed metal surfaces. They 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. They may be applied to exterior or interior surfaces, above or below grade and in the presence of hydrostatic pressure. Certi-Vex Envio Smooth/TEX VOC are available in three standard textures, white tint base and fifteen standard colors. These products can also be tinted to any custom color. For a complete high performing waterproofing system first coat with **Certi-Vex[®] Block Fill**. (VEXCON also produces acrylic emulsion coatings under the names **Certi-Vex[®] Envio Tex Emulsion** and **Certi-Vex[®] Envio Smooth Emulsion**. See Data Sheet VW 103.)

BENEFITS

- Apply directly to fresh concrete (< 28 days old)
- Waterproof and protect
- Excellent weathering resistance
- Resistant to acids, alkalis and other environmental chemicals
- Resistant to mold and fungus
- Moisture retentive (aids curing of new concrete)
- Cover most surface defects
- Provide uniform color & texture
- One coat ready mixed application
- No primer required
- Cost effective protection
- Highly durable
- Decorative appearance
- May be applied to 20° F. Refer to Vexcon's cold weather application guide.

SUGGESTED APPLICATIONS

Provides decorative, functional protective coating for:

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

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 Tex or Envio Smooth 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**. Or apply according to instructions, Certi-Vex Block Fill VOC, a high-build coating applied to masonry block concrete to fill in the pores and capillaries and provide a uniform, sealed surface.

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. 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 Tex/Smooth VOC 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 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.

SPECIFICATIONS/COMPLIANCE

- Meets EPA & AIM VOC regulations
- The product is available in three texture grades and smooth. All grades of Certi-Vex Envio Tex/Smooth VOC meet or exceed VOC requirements
- Federal Specifications TT-C-555B for interior and exterior surfaces
- TT-P-001411 for a copolymer resin cementitious paint for waterproofing concrete and masonry walls and ASTM C 309

SAMPLE ARCHITECTURAL SPECIFICATION

Concrete will be coated with Certi-Vex Envio Tex/Smooth VOC as manufactured by Vexcon Chemicals, Inc., a modified acrylic texture paint that meets the requirements of Federal Spec. TTC-555B and VOC requirements and also TT-P-001411. Surface will be coated at 50-80 sq.ft/gallon in accordance with manufacturers recommendation in Product Data Sheet #VW101 to provide a decorative, water resistant and weatherproofing coating.

SPRAYING EQUIPMENT INFORMATION

Pump	Graco Model 231-300
Gun	Graco Model 235-490
Tip	3/8 in. dia. round as specified below
Fine	167-329 with disk 235-579
Medium	167-330 with disk 235-580
Course	167-331 with disk 235-581
Fluid Hose	3/4 in. (19mm) ID
Air Hose	3/8 in. (10mm) ID
Air Pressure	80 LB's minimum 25 CFM

Spraying Smooth Only

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 Tex/Smooth VOC 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.

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.

THIS PRODUCT INCLUDES

<u>MATERIAL OR COMPONENTS</u>	<u>CAS#</u>	<u>HAZARD</u>
<u>DATA</u> <u>UN#</u>		
PIGMENTS:		
1. TITANIUM DIOXIDE	13463-67-7	RESPIRABLE
DUST	5mg/m ³ TLV 5mg/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:	Styrene Acrylate Copolymer in	
	Aromatic Solvent	
D.O.T. Shipping Name:	CERTI-VEX ENVIOTEX VOC	OR
	ENVIOSMOOTH VOC (Non-Regulated)	

PHYSICAL PROPERTIES

- Weight Solids 75-76%
- Dry Time: approx. 4 hr.
- Wt/gal 10-12 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 #VW101 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.

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
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- Fax: 215.332.9997