VEXCON CHEMICALS, INC.
Protecting and improving concrete since 1974
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CERTI-VEX ENVIO® TEX EMULSION & CERTI-VEX ENVIO® SMOOTH EMULSION

MASONRY TEXTURE PAINT AND WATERPROOFER

Meets TT-C-555B and TT-P-001411

VOC Content (Smooth) 180 grams/ liter or 1.50#/gal
VOC Content (Texture) 162 grams/liter or 1.35#/gal.

DESCRIPTION

CERTI-VEX ENVIO TEX EMULSION and **CERTI-VEX ENVIO SMOOTH EMULSION** are manufactured from emulsified modified styrene acrylic resins with selected pigments and fillers 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, 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 EnvioTex Emulsion 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 solvent-borne acrylic coatings under the names **Certi-Vex®Envio TEX VOC** and **Certi-Vex® Envio Smooth VOC**.)

BENEFITS

- Apply directly to fresh concrete (< 28 days old)
- Meets VOC regulations
- 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 and texture
- One coat ready mixed application
- No primer required
- Cost effective protection
- Water cleanup of fresh materiaL
- Can apply to 40^0F
- Decorative appearance
- Professional use only.

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 **Certi-Vex® Block Fill Emulsion**, according to application instructions, 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 Emulsion 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 ºF (7ºC). Do not apply on highly windy days. Be especially careful of over spray. The material can be thinned slightly with water and applied by brush or roller, however, spraying is recommended. When roller applying, roller should be dampened with water prior to use. Keep roller wet with paint. Application at a rate of 50-80 sq.ft./gal (1.25-2.0 m^2/L) will provide an average dry film thickness of 13-18 mils (330-460 µm). A single continous coat will provide waterproofing properties, but it is always suggested to use a thinner second coat to even out the application. Be careful to match color and texture when re-coating.

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

SPECIFICATIONS

The product is a Certi-Vex Envio Tex/Smooth Emulsion vailable in three texture grades and smooth. All grades of CERTI-VEX ENVIO TEX/SMOOTH EMULSION:
VOC - 162gr/liter or 1.35#/gal. (Texture)
VOC – 180gr./liter or 1.50#/gal. (Smooth)

- MEETS:
  - USEPA AIM-Concrete Curing and Sealing Compounds
  - OTC-Waterproofing Concrete/Masonry Sealers
  - CARB-Waterproofing Sealers, Concrete/Masonry
- LEED NC category/points: For detailed information visit vexcon.com/green
  - EQ 4.2 – 1 point
  - MR 2.1/2.2 – 1 point
  - MR 5.1/5.2 – 1 point
- Federal Specifications TT-C-555B, TT-P-001411
- ASTM C 309.
- CSI reference: 09 97 23

SAMPLE ARCHITECTURAL SPECIFICATION

Concrete will be coated with Certi-Vex Envio Tex/Smooth Emulsion as manufactured by Vexcon Chemicals, Inc., an emulsion 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 #VW103 to provide a decorative, water resistant and weatherproofing coating.

SPRAYING EQUIPMENT INFORMATION

Pump	Graco Model 231-300
Gun	Graco Model 235-490
Tip,Fine,Medium,Course	3/8 in. dia. round as specified
Fluid, Hose, Air Hose ,	below
Pressure**Spraying**	167-329 with disk 235-579
Smooth Only	167-330 with disk 235-580
	167-331 with disk 235-581
	3/4 in. (19mm) ID
	3/8 in. (10mm) ID
	80 LB's minimum 25 CFM
Electric, Air, Gas,	Graco Ultra 1000Graco Bulldog 30:1
	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 Emulsion 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. Rotate your stock.

VITAL STATISTICS

The following apply only to the non-water portion of the product.

- Flash Point: 106ºF (41ºC) TCC
- Boiling Point: 310-495ºF (154-257ºC)
- Autoignition Temp: 473ºF (245ºC)

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 67-73%
- 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 #VW103 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 assistance and customer service is available by contacting Vexcon Chemicals directly or our distributors.

- vexcon.com
- technicalservice@vexcon.com
- customerservice@vexcon.com
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- Fax: 215.332.9997

WARRANTY

Vexcon warrants that the goods supplied hereunder shall be of its standard quality and shall conform in all material respects to the sample which has been made available for testing by buyer prior to sale. As the EXCLUSIVE REMEDY for any beach of this Limited Warranty, Vexcon 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 EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANT ABILITY OR FITNES 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 OR NEGLIGENCE, GROSS NEGLIGENCE, STRICT LIABILITY OR ANY OTHER TORT. IN NO EVENT SHALL VEXCON BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE, REAL OR PERSONAL, ATTRIBUTED TO ITS PRODUCTS, NOR FOR ANY EXCAVATION, REMOVAL, REAPPLICATION, DOWN TIMES, CLEANUP, LOSS OF USE, LOSS OF OPPORTUNITY, LOSS OF MARKET VALUE, LOSS OF RENTAL VALUE OR FOR ANY LOSS OF PROFITS OR OTHER SPECIAL, INCIDENTAL, RESULTING, CONSEQUENTIAL OR EXEMPLARY DAMAGES.

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