



Performance Construction Chemicals

## CERTI-VEX<sup>®</sup> BLOCK FILL VOC

Masonry Bloc Fill - Meets Wind Driven Rain test

Meets TT-F-1098

VOC Content 398 gr/liter or 3.32 #/gal – Waterproofing Concrete Sealer

### DESCRIPTION

The most important link in the waterproofing coating chain is the material that is applied to the concrete. Use the only leading block fill that meets wind driven rain test of Federal Specification 1098. **CERTI-VEX BLOCK FILL VOC** is a styrene acrylic, high-build coating applied to masonry block concrete to fill in the pores and capillaries and provide a uniform, sealed surface. It contains non-asbestos fibers, which assist in bridging holes and voids, and provides an excellent bond between the block and subsequent topcoats. Available in two versions to meet your customized requirements, both of which meet Federal Specification 1098 Wind driven Rain Test: Smooth or Fibered. For complete decorative high performing waterproofing system topcoat with **Certi-Vex<sup>®</sup> Envio Smooth VOC** or **Certi-Vex<sup>®</sup> Envio smooth Emulsion** to meet TTC-555B.

### BENEFITS

- Meets EPA & AIM VOC regulations
- Meets TT-F-1098 Wind driven Rain Test
- Flexible and durable
- Provides an excellent bond between the block and subsequent topcoats
- Apply over fresh concrete and mortar
- Covers most surface blemishes and imperfections
- One Coat
- Ready Mixed
- Accepts most topcoats

### APPLICATION

Follow surface preparation directions prior to application. Apply by spray equipment using equipment specified or Vexcon approved equal (refer to equipment section). Material must be stirred or agitated thoroughly before use. If spraying is not possible, apply to dry and clean masonry block by brush, roller or trowel at the rate of 50 sq. ft./gallon. Begin application from the highest point. Apply a significant amount of product to completely cover the surface area. Succeeding passes must lap the previous run down. Smooth the surface with a brush or trowel to form a uniform and level surface. Back rolling the Certi-Vex Block Fill VOC may be necessary to close and cover all pores.

ALL PROPERTIES ARE DEPENDENT ON ACHIEVING A PINHOLE FREE SURFACE

### TT-F-1098 TEST RESULTS

#### DL LABS-11884A

The following observations were noted after each of the coatings were exposed for 8 hours to wind driven rain equivalent to a 98 mile per hour wind pressure.

#### Coating-----> Certi-Vex Block Fill VOC

Dampness on panel backs	None
Appearance of water on backs	None
Water leakage	None

### Conclusion

The submitted coating, namely; Certi-Vex Block Fill VOC exhibit a wall performance rating of Excellent (E) as outlined in Par.4.3.6.4 of Federal Specification TT-F-001098.

### SPECIFICATIONS/COMPLIANCE

- Certi-Vex Block Fill VOC may be specified as a block filler for use on exterior or interior masonry or metal surfaces to achieve a decorative high build coating.
- Meets Federal Specification TTF 1098 for block fill.
- All performance specifications and waterproofing characteristics are based on pinhole free applications.
- VOC Compliant: 398 gr/liter or 3.32 #/gal - Concrete Protective Coating

### COVERAGE

50-60 sq.ft./gal (1.25-1.5 m<sup>2</sup>/L)

### PHYSICAL PROPERTIES

- Dry time: Let dry overnight before topcoating
- Touch: 1 - 3 hours
- Recoat: 24 hours
- Solids: Wt% 78±1%
- Solids Volume: 60%
- DFT: @ 50-60 sq.ft./gal.=16-19 mils
- Wt/gal 12.5 #gal.
- Solvent Reducer: Use **Certi-Vex<sup>®</sup> Equipment Cleaner**

## **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 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 Patch® RTU with a large flat bladed spatula. Large holes and damaged areas should be repaired by grouting or trowel filling with Certi-Vex Patch RTU. Plywood and wood materials must first be primed with StarSeal 800 or StarSeal 1315.

## **EQUIPMENT CLEANING**

Certi-Vex Block Fill VOC will not set up or harden in spraying pumps or hoses overnight, however, spray guns and nozzles should be cleaned daily. The spray systems should be adequately flushed by pumping Certi-Vex Equipment Cleaner through the entire system until pump, hoses and gun are free of residue.

## **SPRAYING EQUIPMENT DATA**

### **PUMPS:**

Electric: Graco Ultra 1000 and Ultra 500  
Air: Graco Bulldog 30:1  
Gas: Graco 5000, 7000, & 10,000 – Graco GM 1030 with quick change GM 3012 Kit.

\* NOTE: Remove all filters prior to spraying

Tip: .040-.045  
Fluid Hose 3/4 in. (19mm) ID  
Air Hose: 3/8 in. (10mm) ID  
Air Pressure: 80 LB's minimum 25 CFM

Spray equipment must be cleaned and maintained in accordance with manufacturer's directions.

Consult VEXCON for additional recommendations on spraying equipment and techniques on Certi-Vex Block Fill VOC fibered.

## **PACKAGING**

Certi-Vex Block Fill VOC is available in 50 gallon drums and 5 gallon pails. Contact Vexcon directly to discuss your customized packaging requirements.

## **VITAL STATISTICS**

- Flash Point: 106° F (41° C) Closed cup
- Boiling Point: 310-495° F (154-257° C)
- Autoignition Temp: Above 473° F (245° C)
- Extinguishing Media: Foam, dry chemical, CO<sub>2</sub>, water may be used to reduce the rate of burning and for cooling containers.

## **HEALTH AND SAFETY**

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

Vexcon MSDS #VW107 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product it is advisable to obtain a copy of the MSDS, #VW107, 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.

- [www.vexcon.com](http://www.vexcon.com)
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## **SHELF LIFE**

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