

## CERTI-VEX® FORM RELEASE VOC LINE

FORM TREATMENTS • CHEMICALLY ACTIVE • OIL BASE

### DESCRIPTION

**CERTI-VEX FORM RELEASE VOC** products are premium chemically active form release agents that ensure a clean positive release for many types of concrete forms. Certi-Vex Form Release VOC products are ready to use and ideal for all applications ranging from foundations to architectural concrete.

Manufactured from highly refined hydro-treated oil, Certi-Vex Form Release VOC products form a chemical barrier that reacts with the alkalis in the concrete preventing sticking and build up easily releasing the form from the concrete. The resulting concrete is stain and residue free and ready for subsequent coatings or treatments of the formed concrete.

The product includes a special rust inhibitor to minimize rust formation on steel forms.

Certi-Vex Form Release VOC is available in two ready to use grades providing flexibility in cost and performance.

**Certi-Vex FR VOC:** Our premium chemically active release formulated with virgin oil stocks and proprietary release agents.

**Certi-Vex FR-L VOC:** A pure virgin oil stock formulated to provide superior release in a cost competitive system.

### BENEFITS

- Provides clean and smooth grain free concrete surfaces
- Reduces concrete build up
- Ensures easy stripping of forms
- Will not stain or discolor concrete
- Quick drying
- Reduces surface air voids (bug holes)
- Minimizes concrete surface dusting
- Minimum labor-just spray, brush or dip forms
- Reduces surface preparation and painting costs
- Protects and maintains forms
- Use at temperatures as low as 20°F (-7°C)
- Minimizes rust formation

### SHORT SPECIFICATION

03 11 13: VOC form release agent with rust inhibitor that will not bond with stain or adversely effect concrete surfaces and will not impair subsequent treatments of concrete surfaces.

### USE ON THESE TYPES OF FORM FACE MATERIALS

- Aluminum
- B-B Plywood
- Fin-Form Plywood
- High Density Overlay (HDO) Plywood
- Medium Density Overlay (MDO) Plywood
- Form Liners
  - Elastomeric/Urethane
  - Fiberglass
  - Plastic- High Impact Polystyrene (HIPS)
  - Plastic-Rigid Polymer ABS(Acrylonitrile & Butadiene)
- Plastic
- Steel
- Galvanized Steel

### RECOMMENDED FOR

- Architectural concrete
- Foundations
- Pre-cast, pre-stressed concrete
- General forming applications

### SPECIFICATIONS/COMPLIANCE

- VOC: FR-L VOC and FR VOC: <450 g/liter or < 3.33 /gal.
- Meets
  - US EPA AIM - Form Release Compound
- Bureau of Reclamation Standards
- Ohio EPA contact with potable water
- CSI reference: 03 11 00 – Concrete Forming

### APPLICATION

- Forms and other surfaces that are to be made bond free should be cleaned before applying Certi-Vex FR or FRL VOC.
- Remove build up of concrete, rust, scale, and dirt with **Certi-Vex Concrete Remover** and repair any holes or fractures from previous uses before applying.
- Apply in thin uniform coats by pressurized sprayer, brush or roller on forms immediately before pouring concrete.
- Maintain adequate pressure when applying by sprayer.
- Keep off reinforcing steel and any other embedment's when forms and steel are already in place. An alternative is to apply Cert-Vex FR & FRL VOC to forms just prior to erection of rebar steel.
- Coat uniformly - Leave no gaps
- Apply thin coats, avoid over application and remove excess material.
- Place concrete within 1 hour.

## **SPECIAL NOTES**

- Do not dilute or mix Certi-Vex FR & FRL VOC with other form oils products, sprayers, or storage systems.
- Do not over apply.
- Residual concrete dust can be wiped off with a rag or water washed to a clean surface.
- Do not use as a bond breaker for concrete on concrete applications.
- Manufacturers of coatings or treatments should be consulted for special application requirements of their products.
- Verify all product data and MSDS are current.
- Certi-Vex FR & FRL VOC can be effective for up to three weeks before concrete is poured.
- It is also recommended that forms be treated with Certi-Vex FR & FRL VOC between each pour and before long periods of idleness or storage.
- Protect treated forms form rain for 24 hours after application.
- Do not apply on windy days.
- Can apply to 20° F (-7°C) – Request Vexcon Cold Weather Application Guide available at vexcon.com.
- For use by experienced contractors
- Shelf Life: If properly stored in its original sealed container, one year from date of manufacture. Rotate your stock.
- Storage/ Handling: Store in tightly sealed original factory container. Keep from freezing and exposure to moisture. Store at room temperature prior to use. Special care should be taken to keep dirt, water and contaminants away from the opening of containers.
- Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- Proper application of Vexcon material is the responsibility of the installer or user. Telephone consultation and/or field visits by Vexcon personnel are for the sole purpose of making technical recommendations only, and not for providing quality control or supervision on location.

## **COVERAGE/ESTINMATING**

**Note:** these are estimates only. Coverage will depend on porosity, texture and form material.

- Wood: 500-750 sq.ft/gal (12.5-18 m<sup>2</sup>/L)
- Metal: 750-1000 sq.ft./gal (18-25 m<sup>2</sup>/L)

## **PACKAGING**

Certi-Vex FR and FR-L VOC are available in 55-gallon drums, 5-gallon pails and 275 gallon totes. Contact Vexcon directly to discuss your customized packaging requirements.

## **VITAL STATISTICS**

- Flash Point 290° F (143°C)
- Boiling Point 340-360° F (171-182° C)
- Autoignition Temp 494° F (256° C)
- Extinguishing Media Foam, Dry chemical, CO<sub>2</sub>, Water Fog or spray

## **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.

Vexcon MSDS FR103 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 from your distributor or visit vexcon.com.

## **CONTACT US @**

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

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### **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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