



Concrete solutions for architects, engineers and builders since 1974

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CERTI-VEX® MAX RELEASE

LOW VOC • ECONOMICAL • LOW ODOR

DESCRIPTION

CERTI-VEX MAX RELEASE is an economical, low VOC non-staining, clear re-active form release treatment for forming applications. Technologically advanced additives provide exceptional bonding characteristics to many form types. Made from proprietary crude derivatives and special surface active agents Max Release provides excellent release properties yielding a smooth concrete finish.

Certi-Vex Max Release will not stain concrete and can be top-coated without concern for compatibility. When properly applied, the product forms a film on the surface that covers 100% of the exposed form area. 100% coverage is the [Vexcon Forming Advantage](#) by providing uniform release that avoids heavy build up and untreated areas.

Certi-Vex Max Release will not crater, bead, run, or sag on vertical application. This technically advanced release is made from proprietary materials which reduce heavy build up and decrease form preparation between uses increasing the forms useful life and reducing labor and maintenance costs.

BENEFITS

- Low VOC
- Economical
- Low odor
- Exceptional anti stick/release properties
- Ensures easy stripping of forms
- Will not stain or discolor concrete
- Place concrete within 1 hour
- Will not deteriorate or damage surface
- Increases form useful life
- Decrease labor and maintenance costs
- Reduces form concrete build up
- Reduces surface preparation and painting costs
- Effective for up to three weeks before concrete is poured
- Good resistance to rain
- Minimizes rust formation

SHORT SPECIFICATION

03 11 16: Low VOC (<250 grams/Liter) Concrete Forming and Accessories. Form release agent with rust inhibitor that will not bond with, stain, and rust or adversely affect concrete surfaces and will not impair subsequent concrete treatments. Environmentally safe, meeting local, state and federal regulations. Approved for use in portable water, federal and military facilities. Manufactured by Vexcon Chemicals.

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
- Tunnel, bridges, waste and water treatment facilities
- Pre-cast, pre-stressed concrete
- Maritime construction
- Tidal zones
- General forming applications

SPECIFICATIONS/COMPLIANCE

- VOC: <250 grams/liter or <2.09 #/gal
- Meets all clean air standards throughout the US:
 - US EPA AIM - Form Release Compound
 - OTC - Form Release Compound
 - LADCO/MRPO - Form Release Compound
 - CEPA/EC - Form Release Compound
 - CARB - Form Release Compound
 - SCAQMD - Rule 1113 – Form Release Compounds
- LEED NC category/points: For detailed information visit vexcon.com/green.
 - EQ 4.2
 - MR 2.1/2.2
 - MR 5.1/5.2
- Federal Unified Facilities Guide Specification (UFGS) for Structural and Precast Concrete Forming
- Ohio EPA contact with potable water
- Release Properties – MSMT-503. See TN 510 available at vexcon.com.
- 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 Max Release.
- 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.
- Certi-Vex Max Release is ready to use direct from its container, do not dilute or mix with other form oil products, sprayers or storage systems.
- Apply by brush, roller, spray or dipping on forms immediately before pouring concrete.
- Maintain adequate pressure when applying by sprayer.
- If applying by sprayer, Vexcon recommends using Chapin's Sprayer # 1949 or similar with the following nozzles;

Temperature

- Above 45°F (6°C)
- Below 45F (6°C)

Nozzle

- 1-5941 – 0.5 GPM
- 1-5943 – 1.0 GPM

- Keep off reinforcing steel and any other embedment's when forms and steel are already in place. An alternative is to apply Certi-Vex Max Release 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 Max Release with other form oil products, sprayers or storage systems.
- See First Time Use of Max Release section.
- 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.
- Manufacturers of coatings or treatments should be consulted for special application requirements of their product.
- Certi-Vex Max Release can be effective for up to three weeks before concrete is poured.
- It is also recommended that forms be treated with Certi-Vex Max Release between each pour and before long periods of idleness or storage.
- Protect treated forms from rain for 24 hours after application.
- Do not apply on windy days.
- For use by experienced contractors.
- Shelf Life: If properly stored in its original sealed container, two years 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

Typical application rate is 500-1000 sq.ft./gal (12.5-25 m²/L) depending on porosity, texture, and form material. Perform a test application to verify the proper application rate for your use.

FIRST TIME USE OF CERTI-VEX MAX RELEASE

For best performance the following is recommended when using Max Release for the first time.

- Avoid cross contamination with other form oils or diesel fuel.
- Ensure sprayer is empty and clean. It is recommended that the sprayer be flushed with a small amount of Max Release prior to first time use.
- If metal forms are used it is recommended forms are cleaned with **Certi-Vex Super Degreaser & Cleaner** applied at full strength or an industrial grade oil/stain cleaner to remove any residual concrete, previous form oils or dirt. Power wash off cleaner and allow to dry. Season form with Max Release.
- New plywood forms should be seasoned with Max Release and allowed to dry prior to first time use.
- Used plywood forms after proper cleaning should be seasoned with Max Release prior to first time use.
- When using a pump-up sprayer, make sure there is sufficient pressure to correctly atomize the product to ensure an even spray pattern.

PACKAGING

Certi-Vex Max Release is available in 55-gallon drums, 5-gallon pails and 275-gallon totes. Our packaging is recyclable type 2 high density polyethylene (HDPE).

PHYSICAL PROPERTIES

- Color Natural Amber

HEALTH AND SAFETY

- 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 FR125 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 MSDS from your distributor or visit vexcon.com.

CONTACT US @

Additional product information, technical assistance, and customer services are available by contacting Vexcon Chemicals 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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