

CERTI-VEX[®] AFR

ALUMINUM FORM RELEASE

DESCRIPTION

CERTI-VEX AFR is a chemically active oil based form release treatment engineered for premium release of aluminum forms. The product contains special surface active release agents which inhibit concrete adhesion to the form.

Certi-Vex AFR promotes quick and easy form removal from concrete yielding a smooth, clean and void free surface.

The product minimizes concrete build up extending the forms useful life while reducing cleaning and maintenance costs.

When properly applied Certi-Vex AFR will not interfere with subsequent coatings or treatments of formed concrete.

BENEFITS

- Yields smooth residue free surfaces
- Reduces form preparation between uses
- Reduces spalling, bug holes and surface voids
- Non-staining
- Fast drying
- Forms strip easily and cleanly
- Low odor

RECOMMENDED FOR

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

SHORT SPECIFICATION

03 11 13: Concrete Forming and Accessories. Aluminum form release agent that will not bond with stain or adversely effect concrete surfaces and will not impair subsequent treatments of concrete surfaces.

SPECIFICATIONS/COMPLIANCE

- VOC <400 grams/liter or <3.34 #/gal
- Meets
 - US EPA AIM- Form Release Compounds
- Federal Unified Facilities Guide Specification (UFGS) for Structural and Precast Concrete Forming
- CSI reference: 03 11 00 – Concrete Forming

APPLICATION

- Apply to clean, reasonably dry forms.
- Remove previous build up of concrete, rust, scale and dirt with **Certi-Vex Concrete Remover**.
- Repair any holes or fractures from previous use before applying.
- Certi-Vex AFR is ready to use directly from its container, do not dilute.
- Apply by; brush, roller, or spray to forms immediately before pouring concrete.
- Keep off reinforcing steel and any other embedment's when forms and steel are already in place. An alternative is to apply Certi-Vex AFR to forms just prior to erection of rebar steel.
- It is recommended that forms be treated with Certi-Vex AFR between each pour and before long periods of idleness or storage.
- Coat Uniformly - Leave No Gaps.

COVERAGE/ESTIMATING

Coverage rates below are estimates only and will depend on porosity, texture and form material. . Conduct a test application to verify the proper application rate for your use.

- Typical application rate on smooth-faced aluminum forms is 800-1,200 sq.ft. /gal (20-30 m²/L) sf/gal.
- Typical application rate on textured aluminum forms is 600-800 sq.ft. /gal (15-20 m²/L) sf/gal.

SPECIAL NOTES

- New forms should be seasoned prior to the application of Certi-Vex AFR.
- 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 AFR can be effective for up to three weeks before concrete is poured.
- It is also recommended that forms be treated with Certi-Vex AFR between each pour and before long periods of idleness or storage.
- Do not apply form release treatment when surface temperatures are below 20° F (-7° C).
- Do not over apply. Excess should be promptly removed.
- Certi-Vex AFR is ready to use directly from its container, do not dilute.
- For use by experienced contractors.
- Shelf Life: If properly stored in its original sealed container, three 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.
- 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.

PACKAGING

Certi-Vex AFR is available in 275 gallon totes, 55-gallon drums, and 5-gallon pails. Contact Vexcon to discuss your customized packaging requirements.

PHYSICAL PROPERTIES

- | | |
|---------------|---------------------------|
| • Color | Clear oil based liquid |
| • Wt/gal | 7.28+/- 0.1 |
| • Acid number | None |
| • Carrier | Naphthentic Petroleum Oil |

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 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 by contacting Vexcon Chemicals.

CONTACT US @

Additional product information, technical assistance and customer service is 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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