

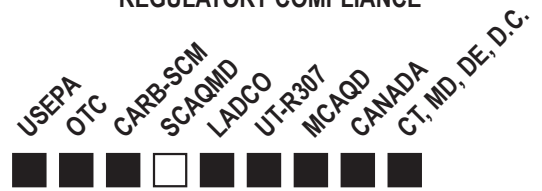


FORM RELEASE

General purpose form release agent
with built-in steel form protectant

PRODUCT DATA SHEET

VOLATILE ORGANIC COMPOUND (VOC) REGULATORY COMPLIANCE



HOW IT WORKS

The ingredients in EFCO FORM RELEASE chemically bond to the iron oxide present on the working faces of steel forms to produce a water-resistant film that provides temporary protection from corrosion between concrete pours. This protective film will ultimately react with the lime present in the concrete to provide a crisp, clean release and positively prevent the accumulation of concrete buildup.

APPLICATIONS

- Specifically designed for EFCO steel form surfaces, to include those treated with a long-term form protectant by EFCO.
- Also suitable for most other form surfaces—excluding foam and soft rubber.
- Can be used in conjunction with high-pozzolan content concrete mixes as well as self-consolidating concrete.

ADVANTAGES

- Contains a steel form protectant for added corrosion protection on the jobsite.
- Economical: Forms become self-cleaning with continued use, reducing form cleaning and maintenance costs.
- Can be applied up to three weeks before use.
- No dilution or mixing required.
- Withstands precipitation and foot traffic.
- Can be used on forms previously poured against with a competitive form release agent.
- Meets and exceeds US Corps of Engineers, GSA and Bureau of Reclamation specifications for non-staining form release agents.

- Can be stored at temperatures below freezing.
- Low odor and VOC < 250 grams per liter.
- Conventional application methods can be used. Spray application recommended.
- Traditional low-pressure hand pump sprayers offer ideal sprayability down to 32° F (0° C). Higher pressure sprayers are recommended for temperatures below 32° F (0° C).
- Remains sprayable down to -20° F (-29° C).
- Won't stain concrete surfaces. Concrete surfaces cast against forms treated with EFCO FORM RELEASE are paintable, with normal surface preparation.
- Doubles as barrier against concrete splatter and buildup on the back side of the forms as well as on mixing and placing equipment.

USE INSTRUCTIONS

- Optimal application rates vary depending on form surface conditions.
- Site test application in advance of field scale use is strongly recommended to verify product application and performance can be achieved under intended use conditions. It is important to note that environmental, substrate and construction conditions impact application rates, procedures and methods.
- Reference latest version of manufacturer's product literature, labels and safety data. Read thoroughly before use.
- Typical application rate range on absorptive surfaces: 600-800 sf / gal. (15-20 sm / L). Typical application rate on non-absorptive surfaces: 1,500 sf / gal. (37 sm / L).

- Best results are achieved when applied to clean, dry forms that are free of concrete buildup or other surface contaminants. Avoid contact with reinforced steel.
- Avoid puddles, runs and excessive spray drift.
- Clean application equipment with mineral spirits.

TECHNICAL DATA

Color, ASTM D2300	0.5
Clarity	Clear
Odor	Mild
Flash Point	>200° F (83.3° C)
Bulk Density	7.3 lbs./gal. (.87 kg/L)
VOC	<250 g/L

PACKAGING

Packaged in 5 gal (19 L) pails, 55 gal (208 L) drums and 275 gal (1,040 L) totes.

SHELF LIFE

Shelf life is two years. Use before the "USE BY" date stated on product packaging.

HANDLING/STORAGE

Store in a dry location at a temperature below 100° F (38° C).

AVAILABILITY & TECHNICAL SERVICES

In addition to corporate offices in Des Moines, Iowa, EFCO maintains regional yards and offices in principal markets throughout the world. For source or technical information, contact EFCO at 1-888-289-3326, 515-266-1141 or visit www.efcoforms.com.

LIMITED WARRANTY

NOTICE-READ CAREFULLY

CONDITIONS OF SALE

Manufacturer offers this product for sale subject to, and Buyer and all users are deemed to have accepted, the following conditions of sale and limited warranty which may only be varied by written agreement of a duly authorized corporate officer of Manufacturer. No other representative of or for Manufacturer is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

Manufacturer warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, Manufacturer will replace the defective product with new product without charge to the purchaser.

Manufacturer makes NO OTHER WARRANTY, either express or implied, concerning this product. There is NO WARRANTY OF MERCHANTABILITY. In no case shall MANUFACTURER be liable for special, indirect or consequential damages resulting from the use or handling of the product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which damages are claimed.

INHERENT RISKS

MANUFACTURER MAKES NO WARRANTY WITH RESPECT TO THE PERFORMANCE OF THE PRODUCT AFTER IT IS APPLIED BY THE PURCHASER, AND PURCHASER ASSUMES ALL RISKS ASSOCIATED WITH THE USE OR APPLICATION OF THE PRODUCT.



chemical solutions to concrete problems