

# GRIFCOTE® FR-50

## Technical Data:

COLOR	Clear to amber liquid with petroleum odor
FLASH POINT	>300° F ASTM Method D-56 (closed cup)
VISCOSITY	19.6 CPS @ 21°C (Brookfield)
DENSITY	6.9 lbs./gal.
SPECIFIC GRAVITY	0.83 g/ml
WATER SOLUBILITY	NIL
APPLICATION RATE	300 ft <sup>2</sup> to 3000 ft <sup>2</sup> per gallon depending on method of application and type of form being used.

## PACKAGING:

Bulk Tanker  
Totes  
Drums  
Pails

**GRIFCOTE® FR-50** is a proprietary blend of organic materials that promote clean and easy separation from all types of forms while deterring build-up and sticking. The reaction of **GRIFCOTE® FR-50** creates a metallic soap that reduces bonding/adhesion while promoting quick and clean stripping. The reactive organic compounds provide maximum performance to precast concrete, concrete forming, prestressed concrete, etc.

**GRIFCOTE® FR-50** is non-staining and works well with white, gray or colored concrete. Bug holes are minimized due to the metallic soap-minimizing adherence of air to the form walls. The release characteristic, due to the formation of the metallic soap, makes the cleaning process more effective.

## BIODEGRADABILITY:

**GRIFCOTE® FR-50** is classified as “inherently biodegradable” having a half-life of less than 60 days (based on ASTM 5864/OECD 301B).

## APPLICATION

Form surfaces should be dry and free from concrete build-up before **GRIFCOTE® FR-50** is applied. As **GRIFCOTE® FR-50** is ready to use, it is not necessary to mix or dilute prior to using. Application may be done using conventional or airless spraying equipment, rollers, mops, wipe-on or any other conventional method of applying form release agents. Over application should be avoided to prevent runs or puddles, which will create voids in the finished concrete surface.

\*Application rates will vary depending on forms and application methods. **GRIFCOTE® FR-50** should be applied to achieve a maximum 5-mil (.005 in.) thickness to help avoid the possibility of surface voids. On new wood forms, application rates should be 300 to 400 square feet per gallon. On seasoned wood forms, it should be applied at the rate of 500 to 700 square feet per gallon. On conventional plywood forms, it should be applied at a rate of 800 to 1000 square feet per gallon.



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On high-density plywood forms, at a rate of 1100 to 1300 square feet per gallon. Metal forms (steel and aluminum) rate of application will be up to 3000 square feet per gallon, with 2000 square feet per gallon being typical.

## **VOLATILE ORGANIC COMPOUND DATA**

Effective September 13, 1999, the United States EPA has issued VOC limitations on concrete form release agents. Reference to these regulations can be found in the Federal Register, Vol. 63, no. 176, Friday, September 11, 1998 under 40 CFR-59, [AD-FRL-6149-7], RIN 2060-AE55, National Volatile Organic Compound Emission Standards for Architectural Coatings, pages 44848-48887. **GRIFCOTE® FR-50** is in compliance with these regulations and contains considerably less than 2.1 lbs. per gallon/250 grams per liter of VOC compounds based on EPA Method 24. **GRIFCOTE® FR-50** is in compliance with all VOC regulations in the United States, Canada, Puerto Rico and Mexico.

## **STORAGE**

All material containers should be kept tightly closed to avoid outside contamination. Drums and pails should be kept in a vertical position.

Material should be stored in a protected area.

Do not store material in unlined metal containers (ductile, malleable or gray iron, steel, aluminum, brass or bronzes). Material should be stored in plastic containers, lined drums or stainless-steel containers.

A Material Safety Data Sheet should be reviewed prior to application as relates to safety equipment needed.