



CSI Code: 03 11 00



NO. 310

OCTOBER 2005  
(Supersedes July 2004)

## DUOGARD® VOC COMPLIANT Form Release Agent

### DESCRIPTION

DUOGARD Multi-Reactive Form Release is composed of an organic chemical that reacts with the alkali content of concrete to form a release film that effectively prevents the bonding of the concrete to the form. In addition, the product also contains a high molecular weight and a non-reactive, chemically inert ingredient to assist in clean, quick, form release and removal. These exclusive ingredients combine the effectiveness of a chemically reactive type and an inert barrier type to provide a doubly effective separation... DUO... and the ultimate in form release. DUOGARD meets maximum VOC content of 450 g/L for Form Release Compounds as required by the U.S. EPA Architectural Coatings Rule.

### USES

DUOGARD can be used on various types of forms (wood, steel, fiberglass and aluminum, as well as fiber tubes). Wood forms should be saturated prior to first use. DUOGARD increases the life of wood forms by penetrating into the wood to waterproof and prevent deterioration. It also reduces maintenance requirements on metal forms by forming a rustproof film that makes the metal form essentially self-cleaning and rust-free.

DUOGARD should be applied to fiber tube forms even though they may be pre-coated. Tubes will strip much easier, even 60 to 90 days later. If tubes are stripped in 5 to 10 days, hand rubbing is greatly facilitated when tubes are coated with DUOGARD.

DUOGARD also cuts machine clean up time because it minimizes concrete build-up. Pavers, trucks, mixers, spreader-finishers, buggies, chutes and other types of equipment should be sprayed daily with DUOGARD for easy clean up and rust prevention.

DUOGARD can be applied on forms for pre-stressed and pre-cast concrete to produce a better and cleaner cast. The product will not stain or discolor concrete. DUOGARD is also available in a true water-base formula, DUOGARD II (Refer to Data Sheet No. 311).

### FEATURES/BENEFITS

- Provides a better and cleaner cast when applied on pre-stressed and pre-cast concrete forms.
- Cuts stripping time to an absolute minimum.
- Reduces form cleaning and repairing.
- Increases wood form life...prevents rust...and rustproofs metal forms.
- Effectively minimizes concrete build-up on pavers, R/M trucks, mixers, spreader-finishers, buggies, chutes and other equipment.
- Prevents bonding between poured concrete and the form.
- Breaks concrete bond between the surface and the form cleanly and effectively...leaves smooth surface.
- Will not stain or discolor concrete and can be painted over.
- Ready-to-use...requires no additional mixing.
- VOC compliant.

### TECHNICAL DATA

Color	Amber
Freezing Point	Less than 10°F (-12°C)
Staining	None

### PACKAGING

5 Gallon (18.93 Liter) Pails  
55 Gallon (208.20 Liter) Drums

*CONTINUED ON REVERSE SIDE...*

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## **APPLICATION**

**Surface Preparation...** Clean form surfaces thoroughly prior to application. Remove all rust, scale and/or previously used form release agents from the forms in accordance with good concrete practices. It is imperative, when using new wooden forms of all types, (plain wooden, plywood, rough cut, etc.) that DUOGARD be applied and re-applied until complete saturation has been accomplished prior to first use.

**Method of Application...** Spraying is the ideal method of application. Use a Chapin 8001 spray tip that produces a flow of 1/10 of one gallon per minute. DUOGARD may also be applied by roller coating, mopping or brushing. A thin film should be applied for maximum economy and efficiency. Runs or puddles need to be brushed out. For metal forms, the best results are obtained with a spray-on "fog" application of DUOGARD.

**Clean-up...** Clean application equipment with soap and water.

## **COVERAGE**

600-1500 sq. ft./gal. (14.7-36.8 sq. m/L), depending on the type and porosity of the form surface.

## **PRECAUTIONS**

For exterior use only. **DO NOT OVER-APPLY DUOGARD TO FORMS AND EQUIPMENT. DO NOT DILUTE.** Read and follow application information and precautions. Eye, skin and respiratory irritant. Refer to Material Safety Data Sheet for complete health and safety information.

**FOR THE MOST CURRENT PRODUCT INFORMATION, VISIT OUR WEBSITE:  
[www.wrmeadows.com](http://www.wrmeadows.com)**



## **LIMITED WARRANTY**

"W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order." Read complete warranty. Copy furnished upon request.

## **Disclaimer**

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