



MasterFormat: 03 11 00



NO. 311

SEPTEMBER 2016
(Supersedes July 2015)

DUOGARD® II

Water-Based Form Release Agent

DESCRIPTION

DUOGARD II form release agent is composed of organic chemicals emulsified in water that react 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, non-reactive, chemically inert ingredient to assist in clean, quick form release and removal. This exclusive combination of physical and chemical reactive components provides a doubly effective separation ... DUO ... and the ultimate in form release efficiency.

USES

DUOGARD II form release agent can be used on various types of forms (wood and steel, as well as fiberglass, aluminum, and fiber tubes). DUOGARD II increases the life of wood forms by penetrating into the wood to waterproof and prevent deterioration. It reduces maintenance requirements on metal forms because it forms a rustproof film that makes the metal form essentially self-cleaning and rust-free.

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

DUOGARD II cuts machine cleanup time and minimizes concrete buildup. Pavers, trucks, mixers, spreader-finishers, buggies, chutes, and other types of equipment should be sprayed daily. DUOGARD II can be applied on forms for pre-stressed and precast concrete to produce a better and cleaner cast.

FEATURES/BENEFITS

- Can be safely used inside or outside.
- Produces a better and cleaner cast when applied on pre-stressed and precast concrete forms.
- Cuts stripping time to an absolute minimum.
- Reduces form cleaning and repairing.
- Increases wood form life ... prevents rust ... rustproofs metal forms.
- Effectively minimizes concrete buildup on pavers, R/M trucks, mixers, spreader-finishers, buggies, chutes, and other equipment.
- Breaks concrete bond between surface and 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.
- Minimizes surface voids.
- VOC compliant.

PACKAGING

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

COVERAGE

600 - 1500 ft.²/gal. (14.73 - 36.82 m²/L), depending on the type and porosity of the form surface.

The following coverage rates are approximate:

Form Surface	ft. ² /gal.	(m ² /L)
Hard & Smooth	1500	(36.82)
Pre-Oiled Plywood	1000	(24.55)
Untreated Plywood	600	(14.73)

CONTINUED ON REVERSE SIDE...

W. R. MEADOWS, INC.

P.O. Box 338 • HAMPSHIRE, IL 60140-0338
Phone: 847/214-2100 • Fax: 847/683-4544
1-800-342-5976
www.wrmeadows.com

HAMPSHIRE, IL /CARTERSVILLE, GA /YORK, PA
FORT WORTH, TX /BENICIA, CA /POMONA, CA
GOODYEAR, AZ / MILTON, ON /ST. ALBERT, AB

SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 40° - 90° F (4° - 32° C), optimum performance and best use is obtained within one year of date of manufacture.

SPECIFICATIONS

- Complies with U.S. EPA, LADCO states, OTC states, SCAQMD, and all other current North American VOC regulations.

TECHNICAL DATA

Color: Opaque White
Freezing Point: 32° F (0° C)
Staining: None
VOC Content: 38 g/L

APPLICATION

Surface Preparation ... Form surfaces are to be thoroughly cleaned prior to application. All rust, scale, and previously used form release agents must be removed in accordance with good concrete practices.

Application Method ... Spraying is the ideal method of application. Use a sprayer, such as a Chapin 1949, with a nozzle that produces a flow of 0.1 GPM (0.379 LPM). DUOGARD II 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 II.

Cleanup ... Tools and equipment used to apply DUOGARD II clean up easily with soap and water.

PRECAUTIONS

KEEP FROM FREEZING. DO NOT OVER-APPLY DUOGARD II TO FORMS AND EQUIPMENT. DO NOT DILUTE. Surface tensions of certain plastic forms may prevent adequate “wet-out” of DUOGARD II. A small test patch application is recommended to ensure uniform coverage of DUOGARD II. If, after application, DUOGARD II exhibits beads on the surface, it is recommended to break the beads with a cheese cloth or brush.

HEALTH AND SAFETY

Direct contact may cause mild to moderate irritation of the skin and eyes. Refer to Safety Data Sheet for complete health and safety information.

LEED INFORMATION

May help contribute to LEED credits:

- IEQ Credit 4.2: Low-Emitting Materials - Paints and Coatings
- MR Credit 2: Construction Waste Management
- MR Credit 5: Regional Materials

For most current data sheet, further LEED information, and SDS, visit 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

The information contained herein is included for illustrative purposes only, and to the best of our knowledge, is accurate and reliable. W. R. MEADOWS, INC. cannot however under any circumstances make any guarantee of results or assume any obligation or liability in connection with the use of this information. As W. R. MEADOWS, INC. has no control over the use to which others may put its product, it is recommended that the products be tested to determine if suitable for specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine the suitability of products for specific application and assume all responsibilities in connection therewith.