



PRODUCT DATA

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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 prestressed and precast concrete to produce a better and cleaner cast.

SPECIFICATIONS

- U.S. EPA Architectural Coatings Rule: ≤450 g/L maximum VOC for form release compounds
- Ozone Transport Commission (OTC): ≤250 g/L maximum VOC for form release compounds

FEATURES/BENEFITS

- Can be safely used inside or outside.
- Produces a better and cleaner cast when applied on prestressed 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 ... actual VOC content is <100 g/L.

PACKAGING

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



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

LEED INFORMATION

May help contribute to LEED credits:

- EQ Credit 4.2: Low-Emitting Materials: Paints & Coatings
- MR Credit 5.1: Regional Materials: 10%
Extracted, Processed & Manufactured Regionally
- MR Credit 5.2: Regional Materials: 20%
Extracted, Processed & Manufactured Regionally

TECHNICAL DATA

Color: Opaque White
Freezing Point: 32° F (0° C)
Staining: None

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 Chapin 5916 spray nozzle that produces a flow of 1/10th gallon per minute. 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.

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

The following coverage rates are approximate:

<u>Form Surface</u>	<u>ft.²/gal.</u>
Hard & Smooth	1500 (approx.)
Pre-Oiled Plywood	1000 (approx.)
Untreated Plywood	600 (approx.)

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.

HEALTH HAZARDS

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

For most current data sheet, further LEED information and MSDS, 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

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