



W. R. MEADOWS®



DATA SHEET NO. 3150-311

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 the 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 fibreglass, aluminium, and fibre 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 fibre tube forms, DUOGARD II should be applied, even though the forms may be pre-coated. The application of DUOGARD II will allow the fibre 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 tubes are coated with DUOGARD II.

DUOGARD II cuts machine cleanup time and minimizes concrete build-up. 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 build-up 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 discolour concrete and can be painted over.
- Ready to use ... requires no additional mixing.
- Minimizes surface voids.
- VOC compliant.

PACKAGING

18.9 Litre (5 U.S. Gal.) Pails
205 Litre (55 U.S. Gal.) Drums

COVERAGE

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

The following coverage rates are approximate:

| Form Surface | m²/L (ft.²/gal.) |
|---------------------|---|
| Hard & Smooth | 36.82 (1500) |
| Pre-Oiled Plywood | 24.55 (1000) |
| Untreated Plywood | 14.73 (600) |

SHELF LIFE

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

SPECIFICATIONS

- Complies with Canada VOC Concentration Limits for Architectural Coatings Regulations.

Continued over ...

W. R. MEADOWS® OF CANADA
70 Hannant Court, Milton, ON L9T 5C1
38 Rayborn Crescent, St. Albert, AB T8N 4B1
(800) 342-5976
Montreal Sales: (877) 405-5186

Hampshire, IL / Cartersville, GA / York, PA / Fort Worth, TX
Benicia, CA / Pomona, CA / Goodyear, AZ / Milton, ON
St. Albert, AB
www.wrmeadows.com

TECHNICAL DATA

Colour: Opaque White
Freezing Point: 0° C
Staining: None

For most current data sheet, further LEED information, and SDS, visit www.wrmeadows.com.

APPLICATION

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

Application Method ... Spraying is the ideal method of application. Use a spray nozzle, such as a Chapin 1949, which produces a flow of 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.

MASTERFORMAT NUMBER AND TITLE

03 11 00 – Concrete Forming

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



2016-11-07

© SEALTIGHT is a registered trade mark of W. R. Meadows

WARRANTY: W. R. Meadows of Canada warrants that, at the time and place we make shipment, our materials will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM OF TRADE OR OTHERWISE. As the exclusive remedy for breach of this Warranty, we will replace defective materials, provided, however, that the buyer examine the materials when received and promptly notify us in writing of any defect before the materials are used or incorporated into a structure. Three (3) months after W. R. Meadows of Canada has shipped the materials, all our Warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates and no action for breach of any such duties may thereafter be commenced. W. R. Meadows of Canada shall in no event be liable for consequential damages. Unless otherwise agreed to in writing, no warranty is made with respect to materials not manufactured by W. R. Meadows of Canada. We cannot warrant or in any way guarantee any particular method of use or application or the performance of materials under any particular condition. Neither this Warranty nor our liability may be extended or amended by our salesmen, distributors or representatives, or by our distributor's representatives, or by any sales information or drawings.