



**PRODUCT
DATA**

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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 inhibits 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. 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.

USES

DUOGARD can be used on forms such as wood, steel, aluminum, fiberglass-reinforced, all grades of plywood (pre-oiled, overlaid, LDO, NDO, HDO), epoxy-coated, and urethane-coated, as well as fiber tubes. DO NOT USE on expanded polystyrene (foam), rubber, latex, or latex forms made from SBR or natural rubber. 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 cleanup time because it minimizes concrete buildup. Pavers, trucks, mixers, spreader-finishers, buggies, chutes, and other types of equipment should be sprayed daily with DUOGARD for easy cleanup and rust prevention.

DUOGARD can be applied on forms for pre-stressed and precast concrete to produce a better and cleaner cast. The product will not stain or discolor concrete. DUOGARD is also available in a true water-based formula, DUOGARD II.

FEATURES/BENEFITS

- Provides 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 ... and rustproofs metal forms.
- Effectively minimizes concrete buildup 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.

PACKAGING

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

COVERAGE

600 - 1500 ft.²/gal. (14.7 - 36.8 m²/L), depending on type and porosity of the form surface.

SHELF LIFE

When stored indoors and in original, unopened containers at temperatures between 40 - 90° F (4 - 32° C), shelf life is a minimum of two years from date of manufacture.

CONTINUED ON REVERSE SIDE...

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SPECIFICATIONS

- Complies with all current federal, state, and local maximum allowable VOC requirements, including U.S. EPA, LADCO, SCAQMD, and OTC.

TECHNICAL DATA

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

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 reapplied until complete saturation has been accomplished prior to first use.

Application Method ... Spraying is the ideal method of application. Use a Chapin 1-5915 spray nozzle 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.

PRECAUTIONS

For exterior use only. **DO NOT OVER-APPLY DUOGARD TO FORMS AND EQUIPMENT. DO NOT DILUTE. DO NOT USE ON** expanded polystyrene (foam), rubber, latex (or latex forms made from SBR or natural rubber), or plaster-coated forms. Read and follow application information and precautions. Product is an eye, skin, and respiratory irritant. Refer to Material 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 4: Recycled Content
- MR Credit 5: Regional Materials

For most recent 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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