



W. R. MEADOWS[®]

SEALTIGHT[®]

DUOGARD[®] Form Release Agent

DESCRIPTION

DUOGARD form release agent is a ready-to-use mixture of organic chemicals, which react with the concrete alkali to prevent bonding of the concrete to the form, and a chemically inert, high-molecular weight non-reactive ingredient, which also facilitates form removal. This combination provides both chemical and physical (DUO) separation for highly effective form release.

USES

DUOGARD is designed for all types of forms - wood, steel, fibreglass, plastic and paper, including pre-treated panels and tubes. DUOGARD may also be used to soften concrete build up on tools and equipment; spray daily for easy clean up and rust prevention.

FEATURES/BENEFITS

- Dual separation properties eliminate bonding between concrete and form.
- Low odour.
- Permits easier stripping of forms, even up to 90 days later.
- Unique formulation allows for superior coverage - lower costs.
- Does not stain or discolour concrete.
- Does not inhibit bond of paint, plaster, and epoxy concrete coatings.
- Increases the life of wood forms by covering and penetrating the wood to prevent water and alkali absorption from the concrete, and eliminates the swelling and delamination of plywood caused by oils.
- Reduces metal form maintenance by forming a rust-resistant film when applied prior to storage.
- VOC-compliant

PACKAGING

18.9 Litre Pails
205 Litre Drums

DATA SHEET NO. 3150-112

COVERAGE

Up to 40 m²/L (2000 ft.²/gal.), depending on type and porosity of form.

SHELF LIFE

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

SPECIFICATIONS

- Complies with Canada VOC Concentration Limits for Architectural Coatings Regulations

TECHNICAL DATA

Colour	Amber
Viscosity (Ford No. 4)	10 seconds
Freezing Point	Less than -29° C (-20° F)
Staining	None

APPLICATION

Surface Preparation ... Form surface should be clean and free of hardened concrete and other deleterious materials. Remove rust, scale, or previously used form oil from steel forms in accordance with good concrete practice, especially for architectural or exposed concrete surfaces.

Continued over

Application Method ... Apply by low pressure sprayer,

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such as a Chapin 1949, equipped with an 80° fan pattern spray tip (such as a Chapin 1-5915), at a rate of 0.4 litres (0.08 gal./13 oz.) per minute in a light, even coat. When employing a brush or roller, take care to apply as thinly and evenly as possible. More is not better; a thin coating provides superior results.

New wood forms (not pre-coated) should receive at least two coats before being used.

All forms should be recoated before each subsequent use.

PRECAUTIONS

Do not use on plaster moulds or in autoclaves. Harmful or fatal if swallowed. Avoid prolonged breathing of vapour or prolonged contact with skin. Use with adequate ventilation. Flammable - keep from open flame and excessive heat.

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 4: Recycled Content
- MR Credit 5: Regional Materials

For most recent data sheet, further LEED information, and MSDS, visit www.wrmeadows.com.



2012-07-19

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