



DEBOND® GOLD

High Performance Concrete Form Release for Prestress and Precast Concrete

MANUFACTURER

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PRODUCT DESCRIPTION

DEBOND GOLD is a non-staining, VOC-compliant, 100% chemically active, concrete form release for application to all types of concrete forms, but especially for use in demanding prestress and precast applications. **DEBOND GOLD** is a pale, fast drying, ready to use, sprayable liquid that is non-toxic and safe to use.

DEBOND GOLD is a specially balanced combination of highly refined fatty acids carried in a non-staining, non-residual mineral oil. **DEBOND GOLD** is free of kerosene, diesel fuel, fuel oils, waxes and resins. It is non-toxic and non-irritating to skin.

DEBOND GOLD forms a water resistant chemical barrier and reacts with the alkalis in the concrete to prevent concrete sticking or build-up on forms, equipment and accessories coming in contact with the concrete. The resulting concrete is stain-free and residue-free, ready to receive paints, mortar, moistureproofers, plaster or other toppings.

DEBOND GOLD's chemical action is not harmful to concrete surfaces. In addition, **DEBOND GOLD** resists rain wash off and will not break down under heat or sun. Forms can be coated up to five weeks prior to pouring concrete.

Basic Use: **DEBOND GOLD** is ready-to-use and can be applied by sprayer, or other conventional methods. The film dries rapidly, reducing dust accumulation, is non-slip and resists normal rain wash off. **DEBOND GOLD** chemically reacts with concrete to prevent sticking. Forms strip clean, eliminating concrete repair. Architectural concrete is stain-free and residue-free allowing varied toppings such as paints and dampproofing cementitious coatings to satisfactorily bond. The regular use of **DEBOND GOLD** eliminates bug holes. **DEBOND GOLD** protects and maintains forms.

FEATURES & BENEFITS

- Premium quality release for prestress and precast plants.
- Helps eliminate concrete build-up and bugholes.
- Non-residual, non-staining.
- VOC compliant.
- Effective over all types of forms in all types of weather.
- Resists rain wash-off.
- Apply in sub-freezing weather.

ESTIMATING

DEBOND GOLD is available in 5 gallon (18.9 liter) pails, 55 gallon (208 liter) drums, and 275 gallon (1040 liter) totes. Containers are clearly identified with product name and batch code.

Coverage Rates

Prestress and Precast:
1500-2000 ft²/gallon (35-50 m²/L)

Steel, plastic, fiberglass :
800-1200 ft²/gallon (20-30 m²/L)

Wood and other porous forms:
600-800 ft²/gallon (15-20 m²/L)

Pipe plants, block plants, paving equipment:
Coat lightly before each use.

TECHNICAL DATA

Applicable Standards:

Corps of Engineers CE 204 and CE 1401.01
Bureau of Reclamation.
State Highway Departments and Government Agencies
USDA-Approved
FSTTW572
VOC compliant.

Physical Properties:

Viscosity, ASTM C 88, SUS @ 100°F (38°C) 50
Color Max ASTM D 1500 3 (Straw)
Opacity.....Clear
Flash Point, ASTM D 92, min. 305°F(152°C)
Freeze Temperature < -50°F
Freeze Damage None
VOC, grams/liter-..... < 50



INSTALLATION

Surface Preparation: Form surfaces should be clean and dry. For architectural concrete, careful cleaning of form panels to remove all rust, scale, concrete, dirt and existing form oils is essential. Replace damaged and worn forms prior to treatment.

Application: Apply a thin coat of **DEBOND GOLD** in a uniform manner by sprayer or roller without puddling. Hold spray nozzle between 12-18 inches (300-450 mm) from form surface. On all applications, a thin coat should be applied prior to each pour for superior results.

FOR BEST RESULTS:

Do not overapply. Wipe up excess puddles before pouring concrete. Not recommended for soft rubber, elastomeric form liners. Not recommended for tiltup construction, unsealed plaster or concrete molds, or over forms with standing water. Do not apply in rain. Do not dilute.

PRECAUTIONS

Keep out of reach of children. Avoid prolonged contact with skin. Do not inhale mist. Use with adequate ventilation.

Please refer to Product Material Safety Data Sheet (MSDS) before using.

STORAGE/SHELF LIFE

DEBOND GOLD drums are to be kept tightly closed. If stored outside, place drums on sides to prevent water contamination through bungs. Shelf life is a minimum of two years in unopened containers when properly stored.

WEBSITE

L&M's convenient internet website offers instant access to Tech Data Sheets, Material Safety Data Sheets, product updates, and other useful information. Visit www.lmcc.com and follow the easy steps. L&M is ready to respond to your concrete information needs - anytime - anywhere!

LIMITED WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to L&M Construction Chemicals ("L&M") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose. Satisfactory results depend upon many factors beyond L&M's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product. L&M shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. L&M's sole responsibility shall be to replace that portion of the product which proves to be defective. Any warranty claim must be made within six (6) months from the date of the claimed breach. This limited warranty applies only if the product was properly installed and used according to all instructions and was properly stored prior to use.

For Professional Use Only.

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