

# DEBOND® FORM COATING

High Performance Concrete Form Release Agent

## MANUFACTURER

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## PRODUCT DESCRIPTION

**DEBOND** is a non-staining, VOC-compliant, 100% chemically active, concrete form release for application to all types of concrete forms. **DEBOND** is a pale, fast drying, ready-to-use, sprayable liquid that is non-toxic and low odor.

**DEBOND** 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 concrete. The resulting concrete is stain-free and residue-free, ready to receive paints, mortar, moistureproofers, plaster or other toppings.

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

**DEBOND's** chemical action is not harmful to concrete surfaces. In addition, **DEBOND** 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** 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** chemically reacts with concrete to prevent sticking. Forms strip clean, eliminating concrete repair. The life of the wood forms is increased and metal forms remain rust free. Architectural concrete is stain-free and residue-free, allowing varied toppings such as paints, dampproofing, and cementitious coatings to satisfactorily bond. Helps eliminate bug holes. **DEBOND** protects and maintains forms.

## FEATURES & BENEFITS

- Reduces concrete build-up and bugholes.
- Non-residual, non-staining.
- Effective on all types of forms
- Sprays easily in cold weather.
- Resists rain wash-off.
- Low odor - does not contain diesel fuel.
- Extends the life of wood forms.
- Cuts form clean-up time by over half.

## ESTIMATING

**DEBOND** is available in 5 gallon (18.9 liter) pails, and 55 gallon (208 liter) drums, and 275 gallon (1,040 liter) totes. Containers are identified with product name and batch code. Do not dilute.

### Coverage Rates:

Steel, plastic, fiberglass or aluminum forms :  
800-1200 ft<sup>2</sup>/gallon (20-30 m<sup>2</sup>/L)

Wood and paper forms:  
600-900 ft<sup>2</sup>/gallon (15-22 m<sup>2</sup>/L)

Prestress and Precast:  
1500-2000 ft<sup>2</sup>/gallon (35-50 m<sup>2</sup>/L)

Pipe plants, block plants, paving equipment:  
Coat equipment lightly before each use  
to facilitate clean up.

## TECHNICAL DATA

### Applicable Standards:

Corps of Engineers CEGS 03300, CW-03101  
Bureau of Reclamation.  
State Highway Departments and Government Agencies  
USDA-Approved  
FS TTW572  
VOC compliant.  
Corps of Engineers CE-204, CE-1401.

### Physical Properties:

Viscosity, ASTM-C-88, SUS @ 100°F (38°C) .... 50  
Color Max ASTM-D-1500. .... 3 ( Straw)  
Opacity ..... Clear  
Flash Point, min., ASTM-D-92, ..... 280°F(138°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** in a uniform manner by sprayer or roller without puddling. Hold sprayer nozzle between 12-18 inches (300-450 mm) from form surface. Soak wooden slip-form staves overnight. On all other applications, a thin coat should be applied prior to each pour for superior results.

## FOR BEST RESULTS:

Do not use for tiltup construction, unsealed plaster or concrete molds, or over forms with standing water. Do



**DEBOND**



not apply in rain. Do not over apply. Wipe up excess puddles before pouring concrete. Not recommended for soft rubber elastomeric form liners.

## **PRECAUTIONS**

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

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

## **STORAGE/SHELF LIFE**

**DEBOND** 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.

## **FAX ON DEMAND/WEBSITE**

L&M's exclusive Fax On Demand and its convenient Internet website offer instant access to Tech Data Sheets, Material Safety Data Sheets, product updates, and other useful information. Simply dial 800-839-9887 or visit [www.lmcc.com](http://www.lmcc.com) and follow the easy steps.

## **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 dam when stored outside place drums on sides to prevent water contamination through bungs. age 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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