



DEBOND®

DS-175.9-1214

A product brand of LATICRETE International, Inc.



1. PRODUCT NAME

DEBOND®

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

DEBOND is a non-staining, low VOC, concrete form release for application to all types of concrete forms. DEBOND is a pale, fast drying, ready-to-use, sprayable liquid that is 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 and residue-free, ready to receive paints, mortar, moisture proofers, 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 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.

Uses

DEBOND allows concrete to release chemically from various media such as steel, plywood, aluminum, and composition forms. DEBOND is ready-to-use and can be applied by sprayer, or other conventional methods. The film dries rapidly; reducing dust accumulation, offers non-slip placement, and resists normal rain wash off. Forms strip clean, eliminating concrete repair. The regular use of DEBOND minimizes bug holes. DEBOND protects and maintains forms.

Advantages

- Premium quality release for pre-stress and pre-cast plants
- Helps minimize concrete build-up and bug holes
- Non-residual, non-staining
- Low VOC
- Effective over all types of forms in all types of weather
- Resists rain wash-off
- Apply in sub-freezing weather

Suitable Substrates

- Concrete forms

Packaging

1 Gal (3.8 L)

5 Gal (18.9 L)

55 Gal (208 L)

275 Gal (1040 L) totes

Approximate Coverage

Pre-stress and precast: 1500-2000 ft²/gal (35-50m²/L)

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

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

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

Shelf Life

Shelf life is a minimum of two years in unopened containers when properly stored.

Limitations

- Not recommended for tilt-up construction, unsealed plaster or concrete molds, or over forms with standing water
- Do not apply in rain
- Do not over apply or allow to puddle

Cautions

- Consult SDS for more safety information
- DEBOND® drums are to be kept tightly closed. If stored outside, place drums on sides to prevent water contamination through bungs.
- Keep out of reach of children

Mock-ups and field test areas are required in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti-dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the decorative flooring system.

4. TECHNICAL DATA

Applicable Standards and Test Methods

Corps of Engineers CECS 03300, CW-03101

Bureau of Reclamation.

State Highway Departments and Government Agencies

FS TTW572

Low VOC

Corps of Engineers CE-204, CE-1401.

Physical Properties

Property	Observed
Viscosity ASTM C 88 SUS@ 100°F(38°C)	50
Color Max ASTM D 1500	3
Freeze Temperature	< -50°F(-45°C)
VOC	<50 g/L

Specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet 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. Satisfactory results depend upon many factors beyond the control of LATICRETE International, Inc. User shall rely on their 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 their direct use, indirect use or consequential to their use of the product. LATICRETE shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.

5. 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 spray nozzle between 12"-18" (30-46 cm) from form surface. On all applications, a thin coat should be applied prior to each pour for best results.

6. AVAILABILITY AND COST

Availability

L&M™ and LATICRETE® materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788

Telephone: +1.203.393.0010

For on-line distributor information, visit LATICRETE at

www.lmcc.com

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235

Telephone: +1.203.393.0010, ext. 235

Fax: +1.203.393.1948

Technical and Safety Literature

To acquire technical and safety literature, please visit our website at www.laticrete.com.

10. FILING SYSTEM

Additional product information is available on our website at www.laticrete.com. The following is a list of related documents:

DS 230.13: LATICRETE Product Warranty