



The Chemical Company

PRODUCT DATA

3 03 40 00 **Precast Concrete**

MBT RHEOFINISH 211

High quality, water-based form-release agent

Description

MBT Rheofinish 211 form release agent offers a safe, cost-effective alternative to traditional oil-based release agents. This unique product, when applied to most forms and form liners, is formulated to enhance the appearance of precast, prestressed and poured-in-place concrete. MBT Rheofinish 211 form release agent significantly reduces production cost through its efficiency, ease of use and its superb release capability.

Yield

Up to 4,000 ft²/gal (100 m²/L)

Coverage rates dependent on form or form liner's texture and absorption rate.

For smooth, non-absorptive surfaces: 2,500 ft²/gal (63 m²/L) or higher for best results

Packaging

3 gal (11.4 L) pails

53 gal (200 L) drums

159 gal (600 L) disposable tanks

Shelf Life

1 year when properly stored.

Storage

Store in unopened container in a cool, clean, dry area between 18 and 118° F (-8 and 48° C). Keep containers tightly sealed after opening to maintain shelf life freshness. Protect from freezing. Do not store in direct sunlight.

Features

- Extremely efficient release mechanism
- Assists in controlling surface appearance
- Non-staining
- Unaffected by light rain or other mild weather conditions
- Spray applied
- Ready-to-use
- Water based
- VOC compliant
- Significantly reduces form cleaning

Benefits

- Permits match casting of intricate details
- Minimizes surface voids (bug holes)
- Acceptable for use with white cement
- Flexible application timing
- Reduces overall production costs
- No mixing required
- No solvent, no odor; no fume or flammability problems
- Environmentally friendly and biodegradable
- Extends form life

Where to Use

APPLICATION

- Cast-in-place concrete
- Precast concrete

SUBSTRATE

- Steel forms
- Fiberglass forms
- Concrete forms
- Wood forms

How to Apply

Surface Preparation

1. Before applying the forms must be smooth, clean and dry.
2. MBT Rheofinish 211 form release agent is specifically developed to work at the form surface and cement paste interface. The performance of this product will be significantly hindered by oil contaminants and cement paste build-up. Forms having residue such as this can be wire brushed and wiped with solvent and, then, a dry rag.
3. Once thoroughly cleaned, forms will be maintained in this condition through the use of MBT Rheofinish 211 form release agent and will also produce more visually appealing products as a result. MBT Rheofinish 211 form release agent is compatible with most forms and form liners with the exception of those made of styrene or latex.



Application

1. When spraying MBT Rheofinish 211 form release agent, hold the spray tip at a distance of 2 – 3 feet from the form surface being treated to achieve proper coverage.
2. It is important that the appearance of the form during application should only be “speckled” as opposed to “wetted.” The “white specks” will then flow together to form a very light, uniform film. This process will take between 3 and 10 minutes, depending on ambient and form temperatures and relative humidity. This results in a clear, water-repellant film which is not easily removed by rainfall or concrete placement.
3. MBT Rheofinish 211 form release agent may also be wiped, mopped, rolled or brush applied. However, the potential for over-application is greater when using these methods. Over-application can result in surface dusting or surface tearing.

Spray Equipment

MBT Rheofinish 211 form release agent should be applied to forms and form liners with spray equipment of the type recommended by BASF. A spray device with the air pressure capacity of approximately 80 psi has been found to produce the best results. A spray tip with an orifice of .021" (0.53 mm) delivering an oval spray pattern is recommended for smaller, intricate formwork. For large forms (wall panels, structural units, etc.) a spray tip with an orifice size of .036" (0.91 mm) delivering a tall, narrow fan spray pattern is recommended. For information regarding sprayer sources contact your BASF sales representative.

Clean Up

Clean spray equipment, brushes, and rollers with soap and water before they dry.

For Best Performance

- MBT Rheofinish 211 form release agent is compatible with most forms and form liners with the exception of those made of styrene or latex. Do not store in direct sunlight.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service (1-800-433-9517) to verify the most current versions.
- Proper application is the responsibility of the user. Field visits by BASF personnel are for the purpose of making technical recommendations only and not for supervising or providing quality control on the jobsite.

Health and Safety

MBT RHEOFINISH 211

Caution

MBT Rheofinish 211 contains 9-octadecenoic acid, butyl ester and propylene glycol.

Risks

May cause skin, eye or respiratory irritation. Ingestion may cause irritation.

Precautions

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep container closed when not in use. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

First Aid

In case of eye contact, flush thoroughly with water for at least 15 minutes. In case of skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs or if swallowed, SEEK IMMEDIATE MEDICAL ATTENTION.

Proposition 65

This product does not knowingly contain materials listed by the State of California as known to cause cancer, birth defects or other reproductive harm.

VOC Content

0 g/L or 0 lbs/gal less water and exempt solvents.

**For medical emergencies only,
call ChemTrec (1-800-424-9300).**

BASF Construction Chemicals, LLC – Building Systems

889 Valley Park Drive
Shakopee, MN, 55379

www.BuildingSystems.BASF.com

Customer Service 800-433-9517
Technical Service 800-243-6739



LIMITED WARRANTY NOTICE Every reasonable effort is made to apply BASF exacting standards both in the manufacture of our products and in the information which we issue concerning these products and their use. We warrant our products to be of good quality and will replace or, at our election, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, BASF MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, RESPECTING ITS PRODUCTS, and BASF shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. Any authorized change in the printed recommendations concerning the use of our products must bear the signature of the BASF Technical Manager.

This information and all further technical advice are based on BASF's present knowledge and experience. However, BASF assumes no liability for providing such information and advice including the extent to which such information and advice may relate to existing third party intellectual property rights, especially patent rights. In particular, BASF disclaims all CONDITIONS AND WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. BASF SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL, INDIRECT OR INCIDENTAL DAMAGES (INCLUDING LOSS OF PROFITS) OF ANY KIND. BASF reserves the right to make any changes according to technological progress or further developments. It is the customer's responsibility and obligation to carefully inspect and test any incoming goods. Performance of the product(s) described herein should be verified by testing and carried out only by qualified experts. It is the sole responsibility of the customer to carry out and arrange for any such testing. Reference to trade names used by other companies is neither a recommendation, nor an endorsement of any product and does not imply that similar products could not be used.

For professional use only. Not for sale to or use by the general public.

Form No. 1017050 8/07

Printed on recycled paper including 10% post-consumer fiber.

© 2007 BASF

Printed in U.S.A.