

A water emulsion form release agent for precast elements, where excellent surface finish is of importance.

Description of Product

RHEOFINISH[®] 211 is a ready-to-use water emulsion based on non-toxic, non-irritant, vegetable oils. It is readily biodegradable according to OECD Guideline 301.

RHEOFINISH[®] 211 has been specially formulated to give an easy and complete release of the concrete from the forms and a significantly improved quality of the concrete surface which is smooth, homogeneous and free of pinholes.

Fields of Application

RHEOFINISH[®] 211 may be applied on wood, metal, polyester or plywood molds, where excellent surface finish and optimum release are required.

Features and Benefits

RHEOFINISH[®] 211 gives an improved exposed surface of concrete economically by reducing the

application time, quicker stripping, easier and faster cleaning of the forms and increased life of the formworks.

It is safe and eliminates many health and environmental risks as compared to the traditional form release agents based on mineral oils and thus can be used with the maximum confidence by the workers on the job site.

- Readily biodegradable (according to OECD Guideline 301)
- Ready-to-use
- Solvent-free
- Based on vegetable oils
- For excellent surface finish
- For all types of concrete
- For normal or delayed stripping

Technical Data/Typical Properties

| | |
|-------------------------|---------------------------------|
| Appearance | White liquid emulsion |
| Specific gravity @ 20°C | Approx. 0.970 g/cm ³ |
| Form temperature | From 0°C up to 60°C |
| Viscosity @ 20°C | 5.5 – 7.5 cP |

Application Procedure

RHEOFINISH[®] 211 is a ready-to-use product that can be applied either by a sprayer, brush or a roller on any type of forms except rubber lined forms. The spray application of RHEOFINISH[®] 211 should be carefully carried out in order to achieve a satisfactory coverage.

The spraying should be done at a suitable distance from the mould (approx. 50 - 100 cm) so that the release agent is evenly distributed in a uniform film thickness. During spraying, it is critical that the spraying pressure is adequately high (2 - 4 bars) and that the gun, especially the nozzle is completely tight in order to avoid dripping.

When spraying with a portable handgun, a slit nozzle with a spraying angle from 65 to 80° has been found to give the best results.

Coverage

The coverage of RHEOFINISH[®] 211 depends upon the application method. If applied uniformly by a sprayer at a constant pressure of 4 bars on metallic or on impervious material the coverage rate is 60 - 100 m²/liter.

Compatibility

RHEOFINISH[®] 211 can be used with all types of forms except rubber lined forms.

RHEOFINISH[®] 211 must not be mixed with other products.

Packaging

RHEOFINISH[®] 211 is supplied in 208 litre drums, 1'000 litre containers or in bulk.

Storage

RHEOFINISH[®] 211 should be stored in original sealed containers and at temperatures between 0°C and 30°C. If stored according to manufacturer's instructions, the shelf life is 9 months.

Handling and transportation

No special requirements must be observed during use. Protection gloves and glasses are however recommended. Do not eat, drink or smoke during the application. RHEOFINISH[®] 211 is non-flammable, non-toxic or irritant and is not subject to special transport requirements.

BASF Construction Chemicals (UK) Ltd,
Albany House,
Swinton Hall Road,
Swinton,
Manchester M27 4DT
Tel: +44 (0) 161 794 7411
Fax +44 (0) 161 727 8547
www.basf-cc.co.uk

RHEOFINISH[®] 211, BASF Construction Chemicals (UK) Limited, Version 6

Health and Safety

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

Spillage

Chemical products can cause damage; clean spillage immediately.

DISCLAIMER

"BASF Construction Chemicals (UK) Limited" (the Company) endeavours to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use.

Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application.

Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest Product Literature.