

## Vegetable Oil Emulsion Based Form Release Agent

### Description of Product

RHEOFINISH<sup>®</sup> 227P is a vegetable oil emulsion based form release agent for horizontal and vertical applications. RHEOFINISH<sup>®</sup> 227P has been specially formulated to reduce, or eliminate, surface imperfections in concrete and to give easy and complete release of concrete when applied to most types of forms or form liners.

### Fields of Application

RHEOFINISH<sup>®</sup> 227P can be applied to all types of formwork including metal, polyester and plywood. It can be used in jobsite and precast applications up to 40°C. RHEOFINISH<sup>®</sup> 227P can also be used in white or coloured concrete applications.

### Features and Benefits

- Reduces the adhesion between concrete and moulds, resulting in minimum cleaning.
- Improves concrete surface by reducing, or eliminating, surface voids and defects.
- Extends the life of the formwork.
- Provides no discoloration on the concrete surface.
- Reduces health and environmental risks by using biodegradable oil.

### Technical Data/Typical Properties

Appearance	Milky white liquid
Specific gravity @ 20°C	0.98 ± 0.01 g/cm <sup>3</sup>
pH-value	7.0 ± 1

*The values above are given for +23°C and 50% relative humidity*

### Application Procedure

RHEOFINISH<sup>®</sup> 227P, should be mixed mechanically before being used. Prior to application, moulds should be thoroughly cleaned. Remove any surplus concrete remains, wood, iron pieces, snow and ice etc. RHEOFINISH<sup>®</sup> 227P may be applied by either spray or roller on any type of forms. It should be applied on the mould as homogeneous thin film in order to achieve the best results. 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.

### Coverage

The coverage of RHEOFINISH<sup>®</sup> 227P depends upon the application method and mould system. If applied uniformly by a sprayer, at a constant pressure of 4 bars on metallic or on impervious material, the coverage rate is up to 50 m<sup>2</sup>/litre. If applied by roller/brush, the coverage rate approximately 25 m<sup>2</sup>/litre.

### Watch points

RHEOFINISH<sup>®</sup> 227P should not be applied at temperatures below 0°C or during heavy rain. After being applied to the mould, the water in the release agent evaporates after approximately 1.5 to 2.5 minutes, depending on the air temperature and ambient humidity.

### Compatibility

RHEOFINISH<sup>®</sup> 227P can be used on all types of forms except forms of non oil-resistant rubber or polymers.

RHEOFINISH<sup>®</sup> 227P must not be mixed with other products.

### Packaging

RHEOFINISH<sup>®</sup> 227P is available 1000-litre IBC's, 205-litre drums and 25-litre containers.

**Storage**

RHEOFINISH<sup>®</sup> 227P should be stored in original sealed containers and at temperatures between 0°C and +40°C, in covered area. It should also be protected to direct sunlight.

**Shelf Life**

12 months if stored according to manufacturer's instructions in unopened container.

**Handling and transportation**

No special requirements need to be observed during use. Protective gloves and glasses (and dust mask in spray application) are however recommended. Do not eat, drink or smoke during the application. RHEOFINISH<sup>®</sup> 227P is non-flammable and is not subject to special transport requirements.

BASF plc,  
Construction Chemical,  
P.O. Box 4,  
Earl Road,  
Cheadle,  
Cheshire, SK8 6QG  
Tel: +44 (0) 161 488 5258  
Fax +44 (0) 161 488 5220  
[www.basf-cc.co.uk](http://www.basf-cc.co.uk)

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**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 plc, Construction Chemicals" (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.