



The Chemical Company

RHEOFINISH[®] 225D

Water based chemical release agent

Description

A ready to use water based, safe, effective release agent which is friendly to the environment. RHEOFINISH[®] 225D is applied to mould and shutter faces prior to casting concrete in order to achieve a clean release. After removal of the formwork, the resultant concrete has a smooth, hard, uniform finish, with reduced incidence of blow holes. RHEOFINISH[®] 225D can be applied to the formwork by spray in the form of a light uniform mist coating.

Primary uses

RHEOFINISH[®] 225D is formulated for application to plywood, timber, steel and plastic faced formwork and moulds, prior to casting concrete, to ensure a clean release.

Packaging

RHEOFINISH[®] 225D is available in 20 and 210 litre drums. Bulk deliveries available upon request.

*Typical properties

Colour	Milky liquid
SG finished product	0.971 at 25°C
Chloride content:	Nil

Composition

A chemically active release agent blended with water.

Directions for use

Apply before the first casting and thereafter re-apply immediately after stripping and cleaning the mould.

Lightweight horticultural sprayers are ideal as RHEOFINISH[®] 225D is finely atomised to give a uniform coating. Excessive application should be avoided.

Alternatively, application may be made by a fine haired brush, only a very thin coating should be made and any excess removed.

If after the first application, the RHEOFINISH[®] 225D is completely absorbed into new timber or plywood, a further application should be made before filling the moulds or formwork.

Action

RHEOFINISH[®] 225D reacts chemically with cement to impart excellent release properties to treated surfaces. Concrete cast against surfaces coated with RHEOFINISH[®] 225D exhibit a smooth, hard, uniform finish.

RHEOFINISH[®] 225D has no negative effect on the properties of concrete nor will it impair the adhesion of subsequent surface treatments when applied at the recommended coverage rates.

Coverage

The coverage rate for RHEOFINISH[®] 225D is between 30 to 40m²/litre when spray applied depending on smoothness and porosity of the formwork used. Coverage is considerably enhanced on marine ply and steel faced forms.

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Note:

Progressively better results are obtained on plywood and timber moulds as they become impregnated and the operatives become accustomed to working with the release agent. RHEOFINISH[®] 225D in general, may be used over timber moulds etc., which have been treated with other mould oils, providing excess has been removed.

Equipment care

RHEOFINISH[®] 225D may usually be left in spray guns or sprayers without detriment, but with certain types, there may be some softening of rubber seals with prolonged contact.

Storage

Store under cover, out of direct sunlight and protect from extremes of temperature. Storage life up to 1 year when stored in unopened containers as above. The product must be stirred before being used.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF's Technical Services Department.

Safety precautions

As with all chemical products care should be taken during use and storage to avoid contact with eyes and mouth. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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* Properties listed are based on laboratory controlled tests.

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As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

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