

RHEOFINISH[®] 202

Solvent based, ready-to-use, form-release agent

Description

Chemical release agent suitable for 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 202 can be applied to the formwork by spray in the form of a light uniform mist coating.

Uses

- Prestressed, precast, and pipe plants
- RCC structures

RHEOFINISH 202 is well suited for shutter faces made from wood, steel, fibreglass, aluminium & paper.

Action

RHEOFINISH 202 reacts chemically with cement to impart excellent release properties to treated surfaces. Concrete cast against surfaces coated with RHEOFINISH 202 exhibit a smooth, hard, uniform finish.

RHEOFINISH 202 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.

Advantages

- Water-resistant chemical barrier – Ensures fast, clean stripping of forms
- No residue transfer – Stain-free & less voids
- Does not harm concrete – compatible
- Alkali resistant – protects aluminium forms
- Safe for wood fibres – extends service life
- Ready to use
- Placement up to 4 weeks before concrete
- Rapid drying – immediate placement

Typical properties

Aspect	: Clear free flowing liquid
Composition	: Blend of release agents in hydrocarbon carrier
Relative density	: 0.83 ± 0.01 at 25°C
Chloride content	: < 0.2 %
Freezing point	: -10°C
Flashpoint	: 77°C

Specification clause

The form-release agent shall be RHEOFINISH 202, a chemical release agent in solvent carrier.

The product shall be in ready to use form, quick-drying type and shall be based on selective blend of chemically active release agents in low viscosity hydrocarbon carrier. The product shall have viscosity less than 0.85 and shall be free of chlorides.

Directions for use

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

Lightweight horticultural sprayers (knapsack type) are ideal as RHEOFINISH 202 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 202 is completely absorbed into new timber or plywood, a further application should be made before filling the moulds or formwork.

Coat forms liberally before storing to keep rust free. To return forms to service, sweep down and recoat with RHEOFINISH 202.

Equipment care

RHEOFINISH 202 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.

Coverage

The coverage rate for RHEOFINISH 202 is 30 to 70m²/litre when spray applied depending on smoothness and porosity of the formwork used.

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 202 in general, may be used over timber moulds. etc., which has been treated with other mould oils, provided excess has been removed.

Packaging

RHEOFINISH 202 is available in 205 litre drums.



The Chemical Company

Storage and Shelf life

RHEOFINISH 202 must be stored where temperatures do not drop below +5°C. Store under cover, out of direct sunlight and protect from extremes of temperature.

Shelf life is 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult your local BASF representative.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet. MSDS available on demand or on BASF construction chemicals web site.

Note

All BASF Technical Data Sheets are updated on regular basis; it is the user's responsibility, to obtain the most recent issue.

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

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

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