

RHEOFINISH[®] 249W

Water-diluteble, form-release agent for excellent surface finish of concrete

Description

RHEOFINISH 249W is a water-diluteble, non-toxic, non-irritant form-release agent.

RHEOFINISH 249W is 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, homogenous and free of pinholes.

Uses

- Prestressed, precast, and pipe plants
- RCC structures

RHEOFINISH 249W is well suited for shutter faces made from natural wood, plywood, steel, fibreglass, polyester, aluminium & paper.

Action

Concrete cast against surfaces coated with RHEOFINISH 249W exhibit a smooth, hard, uniform finish.

RHEOFINISH 249W 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.

RHEOFINISH 249W 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
- Free from Mineral oil – VOC free
- Rapid drying – immediate placement
- Suitable for high form temperatures - up to 60°C

Typical properties

Aspect	: Pale yellow/ light brown liquid
Form temperature	: From 0°C up to 60°C
Relative density	: 0.93 ± 0.01 at 25°C
Chloride ion content	: < 0.2 %

Specification clause

The form-release agent shall be RHEOFINISH 249W, a water diluteble, non-toxic, voc-free solution, free from mineral oils. The product shall be quick-drying type and shall be based on selective blend of chemically active release agents. The product shall have minimum relative density of 0.92 and shall be free of chlorides.

Directions for use

Stir well before use. Dilute the RHOOFINISH 249W with clean potable water in the proportion of 1:4 (1 part RHEOFINISH 249W to 4 Parts water) by volume.

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 249W 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 249W 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 249W.

Equipment care

RHEOFINISH 249W 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 249W is 20 to 25 m²/litre of diluted solution (1:4 solutions with water), 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 249W in general, may be used over timber moulds. etc., which has been treated with other mould oils, provided excess has been removed.

Packaging

RHEOFINISH 249W is available in 20 litre & 200 litre drums.

Storage and Shelf life

RHEOFINISH 249W 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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