

MasterFinish[®] 249

(formerly Rheofinish 249W)

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

DESCRIPTION

MasterFinish 249 is a water-dilutable, non-toxic, non-irritant form-release agent.

MasterFinish 249 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.

RECOMMENDED USES

- Prestressed, precast, and pipe plants
- RCC structures

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

Concrete cast against surfaces coated with **MasterFinish 249** exhibit a smooth, hard, uniform finish.

MasterFinish 249 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.

MasterFinish 249 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.

FEATURES AND BENEFITS

- 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 aluminum forms
- Safe for wood fibers – extends service life
- Free from Mineral oil – VOC free
- Rapid drying – immediate placement

- Suitable for high form temperatures - up to 60°C

PERFORMANCE TEST DATA

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%

DOSAGE

The coverage rate for **MasterFinish 249** is 20 to 25 m²/liter of diluted solution (1:4 solutions with water), when spray applied depending on smoothness and porosity of the formwork used.

Progressively better results are obtained on plywood and timber molds as they become impregnated and the operatives become accustomed to working with the release agent.

MasterFinish 249 in general, may be used over timber molds. etc., which has been treated with other mold oils, provided excess has been removed.

APPLICATION

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

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

Lightweight horticultural sprayers (knapsack type) are ideal as **MasterFinish 249** is finely atomized 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 **MasterFinish 249** is completely absorbed into new timber or plywood, a further application should be made before filling the molds or formwork.



The Chemical Company

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Coat forms liberally before storing to keep rust free. To return forms to service, sweep down and recoat with **MasterFinish 249**.

Equipment care

MasterFinish 249 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.

SUGGESTED SPECIFICATION

The form-release agent shall be

MasterFinish 249, 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.

PACKAGING

MasterFinish 249 is available in 20 litre & 200 litre drums.

STORAGE /SHELF LIFE

MasterFinish 249 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.

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 vapor 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.

STATEMENT OF RESPONSIBILITY (Disclaimer)

The technical information and application advice given in this BASF Construction Chemicals publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF Construction Chemicals either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF Construction Chemicals, are responsible for carrying out procedures appropriate to a specific application.

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