

PRODUCT DATA SHEET

Sika® Separol®-249 IN

(formerly MasterFinish® 249IN)

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

DESCRIPTION

Sika® Separol®-249 IN is a water-dilutable, non-toxic, non-irritant form-release agent. Sika® Separol®-249 IN 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

Sika® Separol®-249 IN is well suited for shutter faces made from natural wood, plywood, steel, fibreglass, polyester, aluminium & paper.

Concrete cast against surfaces coated with Sika® Separol®-249 IN exhibit a smooth, hard, uniform finish.

Sika® Separol®-249 IN 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.

Sika® Separol®-249 IN 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.

CHARACTERISTICS / 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

PRODUCT INFORMATION

Packaging	205 & 20 liter drum
Shelf life	6 months from date of production in undamaged, unopened, original sealed packaging.
Storage conditions	Sika® Separol®-249 IN must be stored where temperatures do not drop below +5°C. Store under cover, out of direct sunlight and protect from ex-

tremes of temperature. 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 Sika representative.

Appearance / Colour	Clear brown liquid
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Density	0.90 - 0.95 at 25°C
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APPLICATION INFORMATION

Consumption	The coverage rate for Sika® Separol®-249 IN is 100 to 160 m ² /litre of diluted solution (1:5 solutions with water), when spray applied depending on smoothness and porosity of the formwork used. 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. Sika® Separol®-249 IN in general, may be used over timber moulds. etc., which has been treated with other mould oils, provided excess has been removed.
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BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

APPLICATION

Stir well before use. Dilute the Sika® Separol®-249 IN with clean potable water in the proportion of 1:5 (1 part Sika® Separol®-249 IN to 5 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 Sika® Separol®-249 IN 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 Sika® Separol®-249 IN 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 Sika® Separol®-249 IN.

CLEANING OF TOOLS

Sika® Separol®-249 IN 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.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet

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