

PRODUCT DATA SHEET

Sika® Separol® RL 225

(formerly MasterFinish® RL 225)

Water based chemical release agent

DESCRIPTION

A ready to use water based, safe, effective release agent which is friendly to the environment. It is a chemically active release agent blended with water. Sika® Separol® RL 225 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. Sika® Separol® RL 225 can be applied to the formwork by spray in the form of a light uniform mist coating. Suitable for use in hot and tropical climatic conditions.

USES

Sika® Separol® RL 225 is formulated for application to plywood, timber, steel and plastic faced formwork and moulds, prior to casting concrete, to ensure a clean release.

FEATURES

- Easy and precise separation of the formwork from the hardened concrete
- High quality surface finish
- No reduction of the concrete quality at the surface
- Protection of formwork from steel corrosion and early ageing

PRODUCT INFORMATION

Packaging	Drums or 1,000 L flowbins
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5°C and +50°C. Mix well before using.
Appearance and colour	Milky white liquid
Density	~0.97 kg/l (+25°C)
Total chloride ion content	Nil (EN 934-2)

APPLICATION INFORMATION

Consumption	30 – 40 m ² /l 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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BASIS OF PRODUCT DATA

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

IMPORTANT CONSIDERATIONS

- Sika® Separol® RL 225 imparts excellent release properties to treated surfaces. Concrete casted against surfaces coated with Sika® Separol® RL 225 exhibits a smooth, hard, uniform finish.
- Sika® Separol® RL 225 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.
- 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® RL 225 in general, may be used over timber moulds etc., which have been treated with other mould oils, providing excess has been removed.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

APPLICATION

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

Lightweight horticultural sprayers are ideal as Sika® Separol® RL 225 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® RL 225 is completely absorbed into new timber or plywood, a further application should be made before filling the moulds or formwork.

CLEANING OF EQUIPMENT

Sika® Separol® RL 225 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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ISO 9001, 14001, 45001 – SGS
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ISO 9001, 14001 – SGS
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
- Sika MB Construction Chemicals LLC
- Sika Construction Chemicals for Manufacturing LLC
- Master Builders Solutions LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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