

PRODUCT DATA SHEET

Sika® Separol® RL 211

(formerly RL 211)

A water emulsion form release agent for elements where excellent surface finish is of importance

DESCRIPTION

Sika® Separol® RL 211 is a ready-to-use water emulsion based on non-toxic, non-irritant, vegetable oils. It is readily biodegradable according to OECD Guideline 301.

Sika® Separol® RL 211 has been 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, homogeneous and free of pinholes.

USES

Sika® Separol® RL 211 may be applied on wood, metal, polyester or plywood molds, where excellent surface finish and optimum release are required.

CHARACTERISTICS / ADVANTAGES

Sika® Separol® RL 211 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.

- Readily biodegradable (according to OECD Guideline 301)
- Ready-to-use
- Solvent-free
- Based on vegetable oils
- For excellent surface finish
- For all types of concrete
- For normal or delayed stripping

PRODUCT INFORMATION

Packaging	25 litre container, 205 litre drum or 1000 litre IBC's
Appearance / Colour	White liquid emulsion
Shelf Life	9 months from date of production
Storage Conditions	Store properly in undamaged and unopened original sealed packaging in cool and dry conditions. Protect from direct sunlight and frost.
Viscosity	5.5 – 7.5 cP at 20° C
Specific gravity	0.970 ± 0.02 kg/litre

APPLICATION INFORMATION

Recommended Dosage

- The coverage of Sika® Separol® RL 211 depends upon the application method.
- If applied uniformly by a sprayer at a constant pressure of 4 bars on metallic or on impervious material the coverage rate is 60 - 100 m²/liter.

Dispensing

- Sika® Separol® RL 211 is a ready-to-use product that can be applied either by a sprayer, brush or a roller on any type of forms except rubber lined forms. The spray application of Sika® Separol® RL 211 should be carefully carried out in order to achieve a satisfactory coverage.
- The spraying should be done at a suitable distance from the mould (approx. 50 - 100 cm) so that the release agent is evenly distributed in a uniform film thickness. During spraying, it is critical that the spraying pressure is adequately high (2 - 4 bars) and that the gun, especially the nozzle is completely tight in order to avoid dripping.
- When spraying with a portable handgun, a slit nozzle with a spraying angle from 65 to 80° has been found to give the best results.

Compatibility

- Sika® Separol® RL 211 can be used with all types of forms except rubber lined forms.
- Sika® Separol® RL 211 must not be mixed with other products.

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.

LIMITATIONS

Do not discharge product on soil, groundwater, surface water course or sewage system, even in small quantities. Observe the national regulations regarding environmental protection.

ECOLOGY, HEALTH AND SAFETY

Care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapour until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use. As this chemical products can cause damage; clean spillage immediately. 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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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