

PRODUCT DATA SHEET

Sika® Rugasol®-2 Liquid

Surface Retarder for Exposed Aggregate Finishes

DESCRIPTION

A water-based liquid coating that retards the set of the top layer of cement mortar in concrete. When subsequently washed off the aggregates are left exposed.

USES

- Rugasol® -2-Liquid is used to provide exposed aggregate finishes in insitu and pre-cast concrete when an architectural finish is required.
- A mechanical key for subsequent operations is required and formwork patterns are not to be shown.

CHARACTERISTICS / ADVANTAGES

- Labour costs are reduced
- Scabbling / chipping virtually eliminated
- Can be diluted to suit application
- Non-hazardous
- Consistent finish is produced suitable for inexpensive formwork.

APPROVALS / STANDARDS

Sika® Rugasol®-2 Liquid is tested to Sika internal test standards and manufactured by ISO accredited facilities.

PRODUCT INFORMATION

Chemical Base	Solvent free polyhydroxy compound
Packaging	25 L and 200 L drums
Appearance / Colour	Light brown liquid
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 +30 °C. Protect from direct sunlight and frost.
Density	~1.06 (+25 °C)

TECHNICAL INFORMATION

Specific Advice

Sika® Rugasol®-2 Liquid is compatible with all Sika® admixtures for concrete but where high dosage rates of retarder or accelerator are to be used it is advisable to conduct site trials.

A precondition for achieving an acceptable exposed aggregate finish is to have satisfactory concrete quality especially with regard to granulometry of aggregates and to have good placing and compaction procedures. Site trials are recommended to establish consumption requirements to achieve the required effect especially in variable ambient temperatures.

APPLICATION INFORMATION

Consumption

0.1 - 0.2 l/m² depending on dilution rate and absorbency of formwork.
Sika® Rugasol®-2 Liquid may be diluted with clean water within the range of 1:1 to 1:3 depending on the degree of effect required.

APPLICATION INSTRUCTIONS

Horizontal surfaces of freshly cast concrete

Allow the surface water of the newly laid concrete to evaporate for between ½ to 2 hours depending on temperature etc. before the application of Sika® Rugasol®-2 Liquid by brush, roller or spray equipment. Ensure an even coverage to give a consistent retardation depth of the concrete surface.

Once the concrete has gained sufficient strength to withstand the cleaning process wash off concrete surfaces carefully with a strong water jet and if necessary use a suitable brush.

Wooden formwork

Apply Sika® Rugasol®-2 Liquid by brush, roller or spray equipment. Only apply to clean uncontaminated formwork. After application protect the treated surface from rain and frost. Concreting should be done within 48 hours of the Sika® Rugasol®-2 Liquid application. After casting the concrete strike formwork as quickly as possible and wash off concrete surfaces with a strong water jet immediately after removing the formwork and if necessary use a suitable brush.

LIMITATIONS

Steam curing or hot weather greatly reduces striking time.

Formwork to be re-used must be cleaned thoroughly. New or rough, highly absorbent wooden shuttering must be treated twice.

Non-adherence to the timing of striking shutters / starting washing down regime may affect the finish. Protect against rain and frost.

Avoid naked flames.

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.

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.

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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