

## PRODUCT DATA SHEET

# Sika® Rugasol®-2 W Liquid

Surface Retarder for exposed aggregate finishes

## DESCRIPTION

Sika® Rugasol®-2 W Liquid is a liquid surface retarder for producing exposed aggregate concrete finishes. Retarded surface can be washed away or removed by brush to leave an exposed aggregate surface.

## USES

Surface retarder when applied to horizontal fresh concrete surfaces and / or wooden formwork for:

- Exposed / washed aggregate concrete finishes
- Architectural finishes
- Screed overlays
- Renderings
- Rough key for subsequent works on concrete construction joints

## CHARACTERISTICS / ADVANTAGES

- Easy to apply by spray application
- Diluted according to requirements
- Controlled retardation
- Suitable for inexpensive formwork
- Non-hazardous
- Reduces work compared to roughening by mechanical preparation

## PRODUCT INFORMATION

<b>Chemical Base</b>	Polyhydroxy Compound
<b>Packaging</b>	Containers or drums. Refer to current price list for packaging variations
<b>Appearance / Colour</b>	Yellow / green water based liquid
<b>Shelf Life</b>	24 months from date of production
<b>Storage Conditions</b>	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.
<b>Density</b>	1,10 kg/l

## TECHNICAL INFORMATION

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### Specific Advice

Sika® Rugasol®-2 W Liquid is compatible with Sika® concrete admixtures. Where high dosage rates of retarder or accelerator are to be used in the concrete mixture 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 good placing and compaction procedures. Site trials are recommended to establish consumption requirements to achieve the required effect especially in variable ambient temperatures.

### Consumption

0,1–0,2 kg/m<sup>2</sup> depending on dilution rate and absorbency of formwork. Consumption depends on dilution rate and absorbency of the substrate. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

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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.

## LIMITATIONS

- After application, protect from rain and frost.
- After application, to prevent rapid drying out, protect from direct sunlight and wind.
- Sika® Rugasol®-2 W Liquid is not a curing agent. Normal curing procedures must be carried out. Do not use water curing techniques until surfaces have had retarded concrete removed.
- Steam curing or hot weather greatly reduces striking time.
- Re-used formwork must be cleaned thoroughly.
- New, rough or highly absorbent wooden shuttering may need treating twice.
- Non-compliance to the timing of striking shutters / starting washing down regime may affect the finish.

## 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.

## APPLICATION INSTRUCTIONS

### APPLICATION

Dilute with clean water at a ratio of 1:1 to 3:1 depending on required effect.

### 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 ambient conditions. Apply Sika® Rugasol®-2 W Liquid with brush, roller or spray equipment. Ensure an even coverage to give a consistent retardation depth of the concrete surface. Once the main concrete has gained sufficient strength to withstand the cleaning process wash off the weak concrete surface layer carefully with a water jet and if necessary using a suitable brush.

### Wooden formwork

Only apply to thoroughly clean formwork. Apply by brush, roller or spray equipment. Concreting must be within 48 hours of the Sika® Rugasol®-2 W Liquid application. After casting concrete, strike formwork as quickly as possible and wash concrete surfaces with a water jet, if necessary using a suitable brush.

## 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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### **PRODUCT DATA SHEET**

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