

## PRODUCT DATA SHEET

# Sika® Rugasol®-90

Concrete surface retarder for horizontal surfaces (Summer)

### DESCRIPTION

Sika® Rugasol®-90 is a specially formulated liquid surface retarder for summer conditions. Sika® Rugasol®-90 will cause retardation to the surface of the freshly laid concrete, and can be used to achieve an exposed-aggregate type finish.

The retarding compound in Sika® Rugasol®-90 combines with cement at the surface and delays the normal hydration on the surface of the concrete (high cement contents and temperatures will reduce the retardation). After retardation has finished, the concrete cures to its full strength.

### USES

Sika® Rugasol®-90 can be used on:

- Driveways
- Footpaths
- Patio slabs
- Beams
- Architectural concrete

### PRODUCT INFORMATION

<b>Packaging</b>	205 litre drum 10 litre container
<b>Shelf life</b>	Stored at temperatures between 5°C and 35°C in unopened original containers, protected from direct sunlight and frost, shelf life is one (1) year.
<b>Storage conditions</b>	Store at temperature between 5°C and 35°C , protected from direct sunlight .
<b>Appearance and colour</b>	Yellow liquid
<b>Density</b>	1.05 kg/l approximately
<b>Consumption</b>	Normal exposure up to 20mm ,coverage is 1 litre/4m <sup>2</sup> of surface (undiluted Sika® Rugasol®-90). Normal exposure between 6-10mm, coverage is 1 litre/4m <sup>2</sup> of surface (diluted Sika® Rugasol®-90). Note: Dilution rate should be 1 part water to 1 part Sika® Rugasol®-90. Di-

## 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.

## FURTHER INFORMATION

High cement contents and temperatures will reduce the retardation. After retardation has finished, the concrete cures to its full strength. Overdosing will lead to deeper than required exposures causing aggregate to dislodge. Concrete must be properly cured to ensure maximum strength development. Bleed water must be removed before application, to prevent product dilution. For additional information, please contact your local Sika Representative.

## 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

Sika® Rugasol®-90 should be applied in a good uniform coat onto the horizontal concrete surface as soon as the initial 'bleeding' of the concrete has finished but before initial set. (A garden sprayer is suitable). Treated surface should be protected from direct sunlight or warm wind, which can cause the surface to dry out rapidly. Proper curing procedures are important to ensure the durability and quality of the concrete. After the initial set of the concrete has elapsed, typically 2-12 hours, depending on concrete type and ambient conditions such as humidity, temperature and wind the soft cement paste on the surface can be brushed off and the exposed aggregate finish washed down with clean water. Whilst Sika® Rugasol®-90 is in use the concrete surface must be protected from rain, dirt, etc. Spray equipment should be washed out after use with hot water. Subsequent to removal of paste, proper curing should take place with an efficient curing compound such as Sika Antisol .

## LOCAL RESTRICTIONS

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

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**Product Data Sheet**

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