

## Sika® Rugasol-S

### Surface Retardant

<b>Description</b>	Rugasol-S is a spray applied, water soluble liquid, formulated to retard the set of surface mortar in concrete to enable the aggregate to be exposed. Rugasol-S is green in color to allow easy identification of areas where it has been applied and ensure a uniform coating is obtained.
<b>Applications</b>	Rugasol-S may be used to obtain an architectural finish on concrete slabs by exposing the natural color and texture of the aggregates. The rough finish obtained from this method may be used as a mechanical key for the subsequent lifting or rendering of the concrete.
<b>Benefits</b>	<ul style="list-style-type: none"><li>■ Architectural quality appearance with original color and texture of the aggregate without sandblasting.</li><li>■ Easy, economical removal of the concrete surface without laborious hacking, chipping or blasting required.</li><li>■ No danger of acid residue from strong washing compounds.</li><li>■ Easy to apply, less supervision of field personnel, no expensive equipment required.</li><li>■ Uniform coverage results in uniform aggregate exposure.</li></ul>
<b>How to Use</b>	
<b>Dosage</b>	For general concrete applications, Sika recommends a dosage rate of 2 - 4 fl. oz./100 lbs. (130-260 ml/100 kg) of cementitious materials. Dosage rates will vary depending on factors such as materials used, concrete temperature, ambient temperature and specific requirements of the project. Exact dosage required must be determined by conducting trial mixes. Dosages outside the recommended range can be used to meet specific project requirements after conducting trial mixes. For more information please contact your local regional office or technical service department at 1-800-933-7452.
<b>Mixing</b>	Apply Rugasol-S with a low pressure spray immediately after screeding when concrete has lost its sheen. The normal recommended rate of application of Rugasol-S is 200 sq. ft. per gallon (4.9 sq. meter per liter). All finishing work must be completed prior to the application of Rugasol-S. Any mechanical floating or finishing after application will produce excessive and irregular depths of retardation. Cover with wet burlap or plastic sheet to prevent surface from drying out.  <b>Architectural finish:</b> For an architectural finish, seed surface with additional aggregate and float it to the surface before applying Rugasol-S.

Concrete



PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING SIKA'S TECHNICAL SERVICE DEPARTMENT AT 800-933-7452. NOTHING CONTAINED IN ANY SIKA MATERIALS RELIEVES THE USER OF THE OBLIGATION TO READ AND FOLLOW THE WARNINGS AND INSTRUCTION FOR EACH SIKA PRODUCT AS SET FORTH IN THE CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.

**Exposing aggregate:** Within 12 to 14 hours after application, use a low pressure garden hose and stiff broom to remove the retarded surface mortar. Do not use excessive force in removal since this may undermine the exposed aggregate profile.

**Effect of high temperatures:** Accelerating admixtures, heated concrete, steam curing, and hot weather all reduce the effectiveness and dependability of Rugasol-S.

**Compatibility with other admixtures:** Rugasol-S is compatible with all admixtures in the Sika product range. Sika recommends when other products are used, that field trials be carried out. Contact your local Sika representative for more information and assistance.

<b>Packaging</b>	Rugasol-S is available in 5 gallon (18.9 liter) pails and 55 gallon (208 liter) drums.
<b>Storage and Shelf Life</b>	Rugasol-S should be stored at above 40°F (5°C) thoroughly to return to normal state before use. Shelf life in original, unopened container is 2 years, when stored in dry warehouse conditions between 50°F and 80°F (10°C - 27°C).
<b>Typical Data</b>	
<b>Appearance</b>	Bright Green Liquid
<b>Specific Gravity</b>	Approx. 1.1

**KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY • FOR PROFESSIONAL USE ONLY**

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Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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**Sika Corporation**  
201 Polito Avenue  
Lyndhurst, NJ 07071  
Phone: (201) 933-8800  
Fax: (201) 933-6225  
[usa.sika.com](http://usa.sika.com)

**Sika Canada Inc.**  
601, Delmar Avenue  
Pointe-Claire, QC H9R 4A9  
Phone: (514) 697-2610  
Fax: (514) 697-3087  
[can.sika.com](http://can.sika.com)



**Regional Information and Sales Centers.** For the location of your nearest Sika representative, contact your regional center.

**U.S. :**  
**Northeast:** Fairless Hills, PA, Phone: (215) 295-6600  
**South East:** Conyers, GA, Phone: (770) 760-1300  
**Western Region:** Santa Fe Springs, CA, Phone: (972) 289-6480

**North Central:** Ottawa, IL 61350, Phone: (815) 431-1080  
**South Central:** Mesquite, TX, Phone: (972) 289-6480

**Canada:** **Ontario:** Mississauga, ON, Phone: (905) 795-3177

**Alberta:** Edmonton, AB, Phone: (780) 486-6111

Quality Certification Numbers: Lyndhurst: FM 69711 (ISO 9000), FM 70421 (QS 9000), Marion: FM 69715, Kansas City: FM 69107, Santa Fe Springs: FM 69408

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