



Rugasol-S®

Surface Retardant

DESCRIPTION

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.

APPLICATIONS

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.

BENEFITS

- ▲ Architectural quality appearance with original color and texture of the aggregate without sandblasting.
- ▲ Easy, economical removal of the concrete surface without laborious hacking, chipping or blasting required.
- ▲ No danger of acid residue from strong washing compounds.
- ▲ Easy to apply, less supervision of field personnel, no expensive equipment required.
- ▲ Uniform coverage results in uniform aggregate exposure.

HOW TO USE

APPLICATIONS

Apply Rugasol-S with a low pressure spray immediately after screeding when concrete has lost its sheen.

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.

Architectural finish:

For an architectural finish, seed surface with additional aggregate and float it to the surface before applying Rugasol-S.

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.

CLEANING

Any Rugasol-S remaining on the dried formwork can easily be removed by scrubbing with water and a wire brush. Any material that has not been in contact with the concrete should be neutralized with cement slurry or soda solution before removal. Form work to be reused must be cleaned thoroughly.

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.

PACKAGING

Rugasol-S is available in 5 gallon (18.9 liter) pails and 55 gallon (208 liter) drums.

STORAGE AND SHELF LIFE

Rugasol-S should be stored in dry conditions between 40°F and 95°F (5°C - 35°C). The material will begin to freeze at 26°F (-2°C). If frozen, thaw and agitate thoroughly to return to normal state before use.

Shelf life in original, unopened container is 2 years minimum.

CAUTION

May cause slight skin/eye/respiratory irritation. Avoid breathing vapors. Use with adequate ventilation. Avoid skin and eye contact. Safety goggles and rubber gloves is recommended.

FIRST AID

In case of skin contact, wash thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes, and contact a physician. For respiratory problems, remove person to fresh air. Remove contaminated clothing. Wash clothing before re-use.

CLEAN UP

In case of spill, collect with absorbent material, ventilate closed areas, and dispose of in accordance with current, applicable local, state, and federal regulations.

TYPICAL DATA FOR RUGASOL-S

COLOR	Bright Green
SPECIFIC GRAVITY g/ml	1.09 ± 0.05
pH	> 10
CHLORIDES %	< 0.1
COVERAGE	One gallon covers ± 200 sq. ft.

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**KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION**

**KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY**

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

Sika warrants its products to be free from manufacturing defects and to meet Sika's current published properties when applied in accordance with Sika directions and tested in accordance with ASTM and Sika Standards. User determines suitability of product for use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product and excludes labor or the cost of labor. Any claim for breach of this warranty must be brought within one year of the date of purchase.

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1-800-933-SIKA NATIONWIDE

Regional Information and Sales Centers

For the location of your nearest Sika sales office, contact your regional center.

East

2115 Hamilton Ave., Ste. A
Trenton, NJ 08619
Phone: (609) 587-5600
Fax: (609) 587-5757

North Central

1682 Marion Williamspport Rd.
Marion, OH 43302
Phone: (800) 851-2545
Fax: (614) 382-6454

South Central

315 North Ebrite
Mesquite, TX 75149
Phone: (972) 289-6480
Fax: (972) 289-5721

West

12767 East Imperial Hwy
Santa Fe Springs, CA 90670
Phone: (562) 941-0231
Fax: (562) 941-4762

Quality Certification Numbers: Lyndhurst: 93-062B, Marion: 93-086B, Kansas City: 94-258B, Santa Fe Springs: 94-195C