

Rugasol[®] C

Concrete surface retarder for horizontal surfaces (Normal)

Construction

Description	Rugasol C is a liquid retarder for horizontal construction joints and surfaces for use in cooler conditions or low retardation conditions. Rugasol C is an easy to use, economical product applied to obtain a mechanical key for "kicker" joints, renderings and screeds on horizontal surfaces of freshly placed concrete.
Uses	Rugasol C eliminates the need for sandblasting, hacking and bush hammering, leaving the aggregate unbroken and firmly embedded. It can be spray applied to horizontal surfaces of freshly placed concrete sections such as: <ul style="list-style-type: none"> • Floor slabs • Driveways • Patios • Swimming pools • Footpaths
Action	The retarding compound in Rugasol C 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.
Advantages	<ul style="list-style-type: none"> • Rugasol C can provide decorative finishes to concrete and can be used in conjunction with many natural aggregates. • It can provide an exposed aggregate finish leaving excellent anti-skid properties. • Rugasol C leaves an excellent key for further concreting, screeding or rendering.
Storage and Shelf life	Stored at temperatures between 5°C and 35°C in unopened original containers, protected from direct sunlight and frost, shelf life is at least one (1) year.
Instructions for Use	
Application	<p>Rugasol C is ready to use straight from the container. It should not be diluted. A good uniform coat of the material should be sprayed 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).</p> <p>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.</p>
Paste Removal	<p>Once adequate time has elapsed, typically 2-12 hours, depending on the 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 Rugasol C is in use the concrete surface must be protected from rain, dirt, etc.</p> <p>Spray equipment should be washed out after use with hot water. Subsequent to removal of paste, proper curing take place should with an efficient curing compound such as Antisol WB or Antisol HR</p>

Technical and Physical Data

Form	Liquid
Colour	Clear red
Density (20°C)	1.05 kg/litre approx.
pH Value (20°C)	5.0 ± 1.0
Application temperature	10°C – 30°C
Coverage	3 - 5 m ² /litre /coat

Important Notes

- High cement contents and temperatures will reduce the retardation. After retardation has finished, the concrete cures to its full strength.

Handling Precautions

- Always keep the lid on Rugasol C containers when not in use.
- Keep containers out of reach of children.
- Avoid contact with the skin.
- Protective gloves and clothing are recommended when using this product.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.
- A full Material Safety Data Sheet is available from Sika on request.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

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Sika Australia Pty Limited
 ABN 12 001 342 329

www.sika.com.au
 Tel: 1300 22 33 48