

Rugasol[®] 90

Concrete surface retarder for horizontal surfaces (Summer)

Construction

Description	Rugasol 90 is a specially formulated liquid surface retarder for summer condition. Rugasol 90 will cause retardation to the surface of the freshly laid concrete, and will result in an exposed aggregate type finish.
Uses	Rugasol 90 can be used on: <ul style="list-style-type: none"> • Driveways • Footpaths • Patio slabs • Beams • Architectural concrete
Action	The retarding compound in 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.
Advantages	<ul style="list-style-type: none"> • Rugasol 90 can be used undiluted or in diluted version, depending on the degree of the surface penetration required. • Depth of penetration is controlled and constant. • Surface retardation of up to 24 hours can be achieved. • Extremely cost effective.
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	
Coverage	<p>Normal exposure up to 20mm Coverage is 1 litre/4m² of surface (<i>undiluted</i> Rugasol 90)</p> <p>Normal exposure between 6-10mm Coverage is 1 litre/4m² of surface (<i>diluted</i> Rugasol 90)</p> <p>Note: Dilution rate should be 1 part water to 1 part Rugasol 90. Dilution reduces effectiveness of Rugasol 90, trials should occur before application.</p>
Application	<p>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).</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>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 Rugasol 90 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 should take place with an efficient curing compound such as Antisol WB or Antisol HR.</p>

Technical and Physical Data

Form	Liquid
Colour	Yellow
Density (20°C)	1.05 kg/litre approx.
pH Value (20°C)	9.0 ± 1.0
Packaging	20 litre pail 205 litre drum

Important Note

- 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.
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Handling Precautions

- Avoid contact with eyes and skin.
 - Wear protective gloves and eye protection during work.
 - If skin contact occurs, wash skin thoroughly.
 - If in eyes, hold eyes open, flood with warm water and seek medical attention immediately.
 - A full Material Safety Data Sheet is available from Sika on request.
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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 Australian version 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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