

## PRODUCT DATA SHEET

# Sika® Rugasol®-12 C MM

## CONCRETE SURFACE RETARDER FOR HORIZONTAL SURFACES (NORMAL)

### DESCRIPTION

Sika® Rugasol® -12CMM is a liquid retarder for horizontal construction joints and surfaces for use in cooler conditions or low retardation conditions. Sika® Rugasol®-12CMM 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

Sika® Rugasol® -12CMM eliminates the need for sand-blasting, 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:

- Floor slabs
- Driveways
- Patios
- Swimming pools
- Footpaths

### CHARACTERISTICS / ADVANTAGES

The retarding compound in Sika® Rugasol® -12CMM 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.

Sika® Rugasol® -12CMM 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.

Sika® Rugasol® -12CMM leaves an excellent key for further concreting, screeding or rendering.

### PRODUCT INFORMATION

Packaging	20 kg container
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging
Storage conditions	Store at temperatures between 5°C and 35°C, protected from direct sunlight
Appearance and colour	Clear liquid
Density	1.05 - 1.06 kg/l @ 25 °C

### APPLICATION INFORMATION

Consumption	Approximately 0.25 - 0.30 kg/m <sup>2</sup>
Ambient air temperature	10°C – 30°C

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

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

## 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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### APPLICATION

Sika® Rugasol® -12CMM 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).

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. 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 Sika® Rugasol® C 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® product.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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.

### SIKA (MYANMAR) LIMITED

No.31, Mahabandula Street, South

Dagon

Kyansittar Yeik Mon Industrial Zone,

Yangon, Myanmar.

Phone: +959 798366081, +951 657970-2

E-mail: myanmar.sales@mm.sika.com



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Sika® Rugasol®-12 C MM

January 2023, Version 01.01

02140501100000070

SikaRugasol-12CMM-en-MM-(01-2023)-1-1.pdf

