

PRODUCT DATA SHEET

Sika® Rugasol® C (NZ)

SURFACE RETARDER TO CREATE AN EXPOSED AGGREGATE FINISH ON FRESHLY LAID CONCRETE

FOR
<20 MPa
CONCRETE
ONLY

DESCRIPTION

Sika® Rugasol® C (NZ) is an easy to apply product for use on horizontal surfaces of freshly placed concrete with a strength less than 20 MPa. (For concrete strengths greater than 20 MPa, use Sika® Rugasol® C Extra.) It achieves a uniform depth of aggregate exposure to provide a decorative architectural effect and non-slip finish. The retarding compound in Sika® Rugasol® C (NZ) combines with concrete at the surface to delay the normal hydration of cement for a depth of approximately 3 - 6mm.

USES

Sika® Rugasol® C (NZ) is spray applied to horizontal surfaces of freshly placed concrete areas such as:-

- Floor slabs
- Driveways
- Patios
- Swimming pool surrounds
- Footpaths
- Forecourts

CHARACTERISTICS / ADVANTAGES

- Sika® Rugasol® C (NZ) provides the opportunity for decorative finishes to concrete around the home, civic amenities, commercial buildings, shopping plazas etc.
- Sika® Rugasol® C (NZ) can be used in conjunction with many different natural aggregates, creating the opportunity for a wide range of colours and texturing effects to be achieved
- Concrete with an exposed aggregate surface will provide excellent non skid properties, offering a surface that is both decorative and functional
- Sika® Rugasol® C (NZ) is ideally suited for use on large areas of concrete such as driveways, footpaths and patios to remove the appearance of plain concrete
- Sika® Rugasol® C (NZ) provides an economical surface preparation to concrete that will be overlaid with a plaster or epoxy screed. This eliminates the need for sandblasting or scabbling

PRODUCT INFORMATION

Chemical Base	Water soluble liquid
Packaging	5 litre, 20 litre and 200 litre containers
Appearance / Colour	Red transparent liquid
Shelf Life	Twelve (12) months when stored as stated.
Storage Conditions	Store in unopened, original containers between +5°C and +30°C. Do not expose to direct sunlight in storage.

APPLICATION INFORMATION

Consumption3 - 5 m²/litre**Ambient Air Temperature**Application temperature should be between +10°C to +30°C

APPLICATION INSTRUCTIONS

APPLICATION

Immediately after the initial bleed water has disappeared from the concrete, and before setting has commenced, Sika® Rugasol® C (NZ) should be applied to the surface using a garden sprayer (or similar). It is essential that a uniform rate of coverage is achieved. Removal: Sika® Rugasol® C (NZ) will retard the set of the top surface layer of concrete to a depth of approximately 3 - 6mm. It is essential that the soft cement surface be removed before this retardation period has expired, otherwise the surface will be difficult to remove. In order to achieve the desired exposed aggregate finish it is essential that the concrete placer monitors the concrete to determine when the soft surface layer of cement should be removed. The length of the retardation period will vary depending on cement content of the concrete, ambient air temperature, the amount of Sika® Rugasol® C (NZ) applied and the time it is left on the surface before removal. This surface layer should be removed using a hose or low pressure water-blaster and a soft broom, until a good clean exposed aggregate finish is revealed. As an indication it is normal for the retarding effect of Sika® Rugasol® C (NZ) to be finished after a maximum of 24 hours at 20°C. For temperatures higher than 20°C the retardation period will reduce accordingly. In the summer months it is often necessary to remove the soft surface layer of cement on the same day of concrete placement. Temperatures lower than 20°C may increase the retardation period of Sika® Rugasol® C (NZ).

FURTHER DOCUMENTS

Cleaning: Spray equipment should be washed out immediately after use with warm water. Sika® Rugasol® C (NZ) may stain some surfaces such as paintwork and should be washed off immediately.

LIMITATIONS

- Sika® Rugasol® C (NZ) is a concrete retarder and as such does not “kill” the set of the concrete. If the treated surface is not washed off before the retardation period has expired then the concrete will set and harden to reach its ultimate strength
- It is not recommended that set accelerating admixtures be used in concrete when treating with Sika® Rugasol® C (NZ)
- If using a water-blaster to wash cement paste from the concrete surface take care to ensure that the pressure of water is not so great that it dislodges the aggregate
- Care should be taken to ensure that washed off cement paste does not enter stormwater pipes or culverts as any remaining residue will harden.
- Sika® Rugasol® C (NZ) is used where concrete strengths are less than 20 MPa. For concrete strengths greater than 20 MPa, use Sika® Rugasol® C Extra.

BASIS OF PRODUCT DATA

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

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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