BUILDING TRUST

PRODUCT DATA SHEET

Sika® Rugasol® MH

CONCRETE SURFACE RETARDER FOR HORIZONTAL AND VERTICAL SURFACES

DESCRIPTION

Sika® Rugasol® MH is a surface retarder used mainly for on site exposed aggregate work. Sika® Rugasol® MH surface retarder is used to expose aggregate on formed Portland cement based concrete surfaces, both vertical and horizontal.

USES

Sika® Rugasol® MH provides an efficient, economical method of obtaining a rough bonding surface without the need of hacking, chipping or sandblasting.
It can be painted directly onto formwork for:
- Walls
- Ceilings
- Vertical construction joints
- Precast panel

CHARACTERISTICS / ADVANTAGES

Sika® Rugasol® MH dries on the formwork to form a tough, water-insoluble, abrasion resistant film. It is not affected by light foot traffic or by light showers. Forms may be coated before or after erection. Reinforcing steel is placed as usual.
The depth of retardation depends upon the thickness of the coating, the time elapsed before the retarder is removed, the cement content and the quantity of water in the mix. The ambient temperature will also affect the depth of retardation.
Advantages:
- It can provide a decorative architectural finish to precast or insitu concrete surfaces.
- Can be applied to most type of clean formwork such as steel, timber, plywood, etc.
- Can be used in conjunction with Rugasol® C to provide constant aggregate exposure to both vertical and horizontal surfaces.

PRODUCT INFORMATION

Composition	Solvent base emulsion
Packaging	205 litre drum, 10 litre container
Appearance / Colour	Pale red liquid
Shelf life	1 year.
Storage conditions	Store at temperatures between 5°C and 35°C in unopened original containers, protected from direct sunlight and frost.
Density	1.05 kg/litre approx.

TECHNICAL INFORMATION

Specific Advice	For optimum results forms should be removed as soon as possible after the concrete is poured. Normally two days in warm weather and up to 3 days in cold weather. If the forms must remain in place longer, use two or even three coats of Sika® Rugasol® MH to ensure deep penetration. A sample slab should be made first to see if the effect given is that which is required. Some of the soft cement paste will stick to the forms when shuttering is stripped. This can be removed, while still soft, by a light wire-brushing or with a high pressure water jet. Always clean off immediately after stripping the shutters as the soft cement paste soon hardens. The concrete should be kept moist and cured as usual. In special conditions ie. high cement contents, very hot weather etc., consult our Technical department. It is advisable to undertake a small test in all cases prior to use, as cements and conditions of use can change from site to site. When using untreated wood and porous forms for the first time we recommend a minimum of two coats of Sika® Rugasol® MH. This will impregnate the surface and aid in uniform exposure of the aggregates. Depth of Etch: 3-5mm approx.
Yield	4 – 5 m²/litre/coat
Ambient Air Temperature	10°C – 30°C

APPLICATION INSTRUCTIONS

APPLICATION

Sika® Rugasol® MH is ready to use straight from the container. It should be stirred before use and must not be diluted. Sika® Rugasol® MH can be applied to any type of clean form. Apply a heavy coat with a brush or roller, and allow to dry (normally 2 to 4 hours). Brushes and equipment can be cleaned before the material hardens, using Sika Colma Cleaner. Mould oils should not be used on the forms. Coated surfaces should be protected from strong sunlight.

IMPORTANT CONSIDERATIONS

- Sika® Rugasol® MH, and Sika Colma Cleaner contain solvents and are flammable, keep away from sparks, flames, etc.
- Always keep the lid on Sika® Rugasol® MH containers when not in use.

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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.

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