

PRODUCT DATA SHEET

Sikagard[®]-230 MIC

WATER BASED SURFACE HARDENER FOR SIKA MONOTOP[®]-4400 MIC

PRODUCT DESCRIPTION

Sikagard[®]-230 MIC is a 1-part, ready-to-use, water based compound specially designed for the quick surface hardening of Sika MonoTop[®]-4400 MIC

USES

- Quick surface hardener of Sika MonoTop[®]-4400 MIC Calcium aluminate mortar
- Reduces the early desiccation, plastic shrinkage cracking, dusty surface, crazing, etc.

CHARACTERISTICS / ADVANTAGES

- Fast surface hardener
- Specially designed for application after Sika MonoTop[®]-4400 MIC
- Reduces the early drying of Sika MonoTop[®]-4400 MIC (immediate wet curing)
- Sewer back in service within one hour after application (for a limited hydraulic head)

PRODUCT INFORMATION

Chemical Base	Water based surface hardener
Packaging	10 litre containers. Refer to current price list for packaging variations.
Appearance / Colour	Translucent blue
Shelf Life	2 years from date of production
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Always refer to packaging.
Density	~1,02 kg/l
pH-Value	5–7
Solid content by weight	~4,5 %
Volatile organic compound (VOC) content	VOC free

SYSTEM INFORMATION

System Structure	Sikagard [®] -230 MIC must only be used as a surface hardener for Sika MonoTop [®] -4400 MIC Calcium aluminate mortar.
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APPLICATION INFORMATION

Consumption

~75 to 100 ml/m² total consumption
Consumption depends on the roughness and absorbency of the substrate. These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Sikagard®-230 MIC must be applied previously as a protective layer

APPLICATION

Sikagard®-230 MIC must be spray applied as soon as possible once Sika MonoTop®-4400 MIC surface finishing is complete. It is recommended to spray in 2 applications to ensure full coverage of the surface. Once the surface hardener has been applied, surface finishing of the mortar is no longer possible.

CURING TREATMENT

If the application of the Sika MonoTop®-4400 MIC was completed in a live sewer environment, replacing the sewers access covers immediately after spraying Sikagard®-230 MIC should ensure correct curing of the mortar.

In areas with low humidity, direct sun light or strong air movement e.g. due to ventilation, Sikagard®-230 MIC is not enough to provide full cure of the mortar. Protect fresh mortar after Sikagard®-230 MIC application immediately from premature drying using an appropriate curing method, e.g. moist geotextile membrane, polythene sheet, continuous water mist spray, etc. Curing compounds must not be used.

CLEANING OF TOOLS

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

LIMITATIONS

For environments with lower humidity or with exposure to direct sunlight and/or strong air movement, Sikagard®-230 MIC application should be complemented with water curing.

VALUE BASE

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.

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