

PRODUCT DATA SHEET

Sika MonoTop®-601 Neu

Corrosion protection

DESCRIPTION

Sika MonoTop®-601 Neu is a 1-part, cementitious, polymer modified coating material used as reinforcement corrosion protection.
Low chromate content according to TRGS 613.

USES

Reinforcement corrosion protection in concrete repair for Sika MonoTop®-603 NEU (PCC II / RM) and for Sika® BM-04 (PCC I / RM) and Sika® BE-08 (PCC I / RC).

CHARACTERISTICS / ADVANTAGES

- Easy application
- Requires only water
- Excellent adhesion to steel and concrete

APPROVALS / CERTIFICATES

The systems are listed in the compilation of certified substances and substance systems according to ZTV-ING, part 3, section 4.

PRODUCT INFORMATION

Packaging	10 kg bag
Shelf life	9 months from date of production.
Storage conditions	Store properly in undamaged original sealed packaging, in dry cool conditions.

APPLICATION INFORMATION

Mixing ratio	1,96 l water per 10 kg bag
Fresh mortar density	2,0 kg/l
Consumption	2 layers Sika MonoTop®-601 Neu corrosion protection \geq 1 mm dry film thickness. Total consumption approx. 0,2 kg powder component per metre of reinforcement bar.
Ambient air temperature	Minimum +5 °C Maximum +30 °C
Substrate temperature	Minimum +5 °C Maximum +30 °C

Application time	+5 °C	approx. 2 hours
	+20 °C	approx. 1 hour
	+30 °C	approx. 45 minutes

Within the recommended application time the original consistency can be achieved again by stirring without addition of water. Do not attempt to smoothen with water, do not powder with cement!

Waiting time to overcoating		Sika MonoTop®-601 Neu/ Sika MonoTop®-601 Neu	Sika MonoTop®-601 Neu/ bonding bridge
	+5 °C	approx. 8 hours	approx. 24 hours
	+20 °C	approx. 4 – 5 hours	approx. 12 hours
	+30 °C	approx. 3 – 4 hours	approx. 8 hours

Steel reinforcements protected against corrosion with Sika MonoTop®-601 Neu can be overcoated with the Sika MonoTop®-600 system, Sika® BM-04, Sika® BE-08 and SikaCem® Gunit®-212 S.

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.

ECOLOGY, HEALTH AND SAFETY

CE MARK

See the Declaration of Performance

NOTES REGARDING HAZARDS

GISCODE: RE 1

For working with our products, detailed health and safety information as well as detailed precautionary measures - e.g. physical, safety, toxicological and ecological data - can be found in the relevant material safety data sheets. All relevant and applicable regulations - e.g. regulations governing hazardous substances - must be observed. On request, we will supply you with our system information sheet (Identification No. 7510) "Information on health and safety when working with products made by Sika Deutschland GmbH".

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

Rust, scale, mortar, concrete, dust and other loose and deleterious material which reduces bond or contributes to corrosion shall be removed. Surfaces shall be prepared using abrasive blast cleaning techniques or high pressure water-blasting to SA 2 1/2 (ISO 8501-1)

MIXING

Pour the suitable quantity of water into a mixing vessel and add Sika MonoTop®-601 Neu whilst stirring thoroughly. Minimum stirring time approx. 3 minutes. Do not use aluminium stirrers! Use electrical, low speed stirrer (250 rpm). Mixture must be of brushable consistency.

APPLICATION

Apply pretreated steel reinforcement bars by brush and in 2 applications in a minimum dry film thickness of 1 mm. The spalled area itself may be damp mat, whereas no moisture should be on the reinforcement steel.

CLEANING OF EQUIPMENT

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

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 the 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.

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March 2021, Version 01.01

020302020010000003

SikaMonoTop-601Neu-en-DE-(03-2021)-1-1.pdf