

PRODUCT DATA SHEET

Sika® Nachbehandlungsmittel NB 100

Curing agent type: VH, VM/BM according to TL-NBM-StB 09 for immediate application on concrete surfaces

DESCRIPTION

Sika® Nachbehandlungsmittel NB 100 with increased content of active substance is utilised in concrete construction for Curing.

USES

- Concrete for traffic areas e.g. Roads, airfields (type: VH, VM)
- For non-traffic components (type: BM)
- Screed
- Horizontal concrete surfaces without subsequent coating
- Vertical concrete surfaces without subsequent coating
- At high temperatures, strong sunlight, wind movement as well as in low humidity

CHARACTERISTICS / ADVANTAGES

The spraying of a liquid curing agent is a rational curing method for the green or young concrete, whereby the release of water from the concrete is largely prevented. Sika® Nachbehandlungsmittel NB 100 is a highly effective solvent-free wax emulsion and creates, after drying, a largely water vapour impermeable protective film on the concrete surface.

This causes in concrete:

- Blocking the surface pores of the concrete
- Extremely high evaporation protection
- Protection against dehydration
- Prevention against contraction and shrinkage cracks
- Improvement of the strength characteristics in the near to the surface layer
- No run-off on sloping surfaces
- Subsequent weathering of the protective film depending on weather conditions and mechanical stresses

APPROVALS / CERTIFICATES

Complies with the "Technical delivery conditions for liquefied concrete curing agents" TL NBM-StB 09.

PRODUCT INFORMATION

Composition	Paraffin wax
Packaging	Can: 20 kg Drum: 190 kg Replacement container: 900 kg
Appearance / Colour	Fluid / White
Shelf life	Minimum of 1 year shelf life in sealed containers. Mix before using after longer storage times.
Storage conditions	Protect against frost, strong sunlight and contamination. Utilise clean tanks and containers when delivered in bulk.

Density 0.99 g/cm³ at +20°C

Solubility in water

APPLICATION INFORMATION

Consumption 150 g/m² as VM/BM
200 g/m² as VH

Ambient air temperature As of +1°C

APPLICATION INSTRUCTIONS

Directly after finishing the surface (VH) or once the concrete surface has reached matt dampness (VM), spray on Sika® Nachbehandlungsmittel NB 100 evenly and with full coverage. The sooner the application is executed, the more effective the protection is. Remove puddles and pools of water before processing. A fresh curing film appears on the surface initially as white; different application thicknesses can lead to stain formations. Additional curing activities are required with very high or low temperatures. A comprehensive, no residue removal of the protective film by e.g. steam jetting or good brushing is necessary when a subsequent application of concrete, mortar, plaster, composite screed, construction adhesives, paint-type material etc. is to be executed. Stir thoroughly or shake before use after prolonged storage. Avoid contamination, use clean work equipment (wax flocculation!).

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.

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.

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. Further notes and information data sheets on product safety and disposal can be found on the Internet at www.sika.de.

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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