

## PRODUCT DATA SHEET

# SikaControl<sup>®</sup>-2310 Heat

## HYDRATION HEAT CONTROLER - POWDER

### DESCRIPTION

SikaControl<sup>®</sup>-2310 Heat is a hydration heat controller in powder form to control heat development of concrete. Due to lower temperatures in the core of the structural member the thermal tension will be reduced.

### USES

- Structural Members with large dimensions
- Concrete where heat of hydration of the concrete has to be considered

### FEATURES

- Reduction of the core temperature inside the structural member
- Use of ordinary cement-types instead of special low-heat cement types in case they are not required according to the specifications

### PRODUCT INFORMATION

<b>Packaging</b>	bag, 25 kg
<b>Appearance and colour</b>	greasy powder, yellow-white
<b>Shelf life</b>	Minimum of 1 year shelf life in sealed bags
<b>Storage conditions</b>	Store dry like cement. Do not store in conditions > 35°C.
<b>Bulk density</b>	approx. 0.6 kg/dm <sup>3</sup>
<b>Solid content by mass</b>	> 95%

### TECHNICAL INFORMATION

<b>Concrete mixing time</b>	SikaControl <sup>®</sup> -2310 Heat should ideally be added to the ready-mixed and homogeneous concrete and can be added in the truck mixer. Addition at the end of the wet mixing time in the compulsory mixer at the factory is also possible.
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# APPLICATION INFORMATION

<b>Recommended dosage</b>	<p>Please contact in any case a sika technician concerning the procedure and the dosage.</p> <p>A typical dosing is 0,5 to 1,5 % by weight of cement.</p> <p>Depending on the type of cement, the addition of a specific hardening accelerator with a dosage of approx. 0.5 % by weight of cement can decrease the peak of the hydration heat.</p> <p>Initial tests according to DIN EN 206-1/DIN 1045-2 is required before use. The material must not be changed (i.e. dissolving in water) before it is added to the concrete.</p> <p>Addition at the end of the mixing process. Mixing-time only as long as necessary to provide a homogenous mix.</p>
<b>Ambient air temperature</b>	< 35°C
<b>Restrictions</b>	SikaControl®-2310 Heat is supplied as a greasy powder with a defined particle size distribution. The material must not be changed under any circumstances. Dilution with water, for example, is not permitted.

## 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

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## 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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SikaControl®-2310 Heat  
February 2025, Version 02.01  
02140601100000200

SikaControl-2310Heat-en-DE-(02-2025)-2-1.pdf