

## PRODUCT DATA SHEET

# SikaPaver<sup>®</sup> HC-218

Compaction aid for semi-dry concrete with improved mold filling properties

## DESCRIPTION

SikaPaver<sup>®</sup> HC-218 is a filling and compaction aid which has been designed to eliminate the stickiness of semi-dry concretes at elevated water-cement-ratios. The resulting granular concrete leads to an even mold filling and less quality fluctuations while ensuring the targeted concrete compaction.

## USES

- Concrete Pavers
- Masonry Blocks
- Roof Tiles
- Kerbstones
- Landscaping elements

## CHARACTERISTICS / ADVANTAGES

- Granular mold-filling properties despite elevated water contents
- Even concrete distribution into the individual chambers across the compaction mold
- Less quality variations and consequently less second grade products

SikaPaver<sup>®</sup> HC-218 improves the dispersion and wetting of cement, additives and pigments and hence allows reaching the target density in shorter time or the reduction of pore content at the same compaction effort.

## APPROVALS / STANDARDS

Corresponds to EN 934-2 Table 5 (air entrainer).

## PRODUCT INFORMATION

|                            |  |
|----------------------------|--|
| Chemical Base              | Blend of Surfactants   |
| Packaging                  | 20 litre pail, 200 litre drum and bulk   |
| Shelf Life                 | 12 months from date of production if stored properly in original, unopened packaging. After prolonged Storage, agitate the product before using. |
| Storage Conditions         | Protect from frost, intense sunlight and contamination. In case of bulk delivery, the tanks and equipment used must be clean.                    |
| Appearance / Colour        | liquid, colorless to yellowish   |
| Density                    | 1.00 kg/dm <sup>3</sup> at +20°C   |
| pH-Value                   | ca. 7  |
| Total Chloride Ion Content | ≤ 0.10 %   |
| Equivalent Sodium Oxide    | ≤ 0.5 %  |

## APPLICATION INFORMATION

|                           |  |
|---------------------------|--|
| <b>Recommended Dosage</b> | 0.2 – 0.5 M.-% of binder (cement and fly ash)  |
| <b>Dispensing</b>         | SikaPaver® HC-218 shall be added with the mixing water or introduced at the end of the mixing process.<br>The necessary mixing time after the admixture dosage depends on the individual mixer.  |
| <b>Compatibility</b>      | Before use suitability tests must be performed.<br>Sufficient compaction of base and face concrete while in parallel avoiding capillary porosity is essential to ensure the targeted performance parameters of the manufactured semi-dry concrete elements. For further information and advice, please contact our Technical Service Department.<br>The use of SikaPaver® HC-218 in wet cast concrete is not suitable. |

## 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.

## 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.

## 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.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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