

PRODUCT DATA SHEET

SikaPaver® HC-1

High performance compaction aid for semi-dry concrete products

PRODUCT DESCRIPTION

SikaPaver® HC-1 is a high performance compaction aid for semi-dry concrete, especially designed for even mould filling behaviour in combination with swipe formation at the concrete element flanks.

USES

- Concrete Pavers/Block Paving
- Masonry blocks
- Kerbstones
- Concrete pipes and manholes
- Concrete Roof-tiles

CHARACTERISTICS / ADVANTAGES

SikaPaver® HC-1 has been designed especially for the application in semi-dry concrete and causes:

- Better dispersion and wetting of cement, additives and pigments
- Reduced friction between cement and aggregates
- Introduction of small, evenly distributed air pores

This leads in fresh semi-dry concrete to the following advantages:

- Granular mould-filling properties also at higher water contents
- Stronger compactability, which allows for example achieving shorter cycle time or higher concrete densities
- Reduced adhesion between the face mix and the tamper head
- Increased green strength (shape keeping) after immediate de-molding

In hardened concrete, SikaPaver® HC-1 hence causes:

- Higher concrete density and strength
- Smoother and more homogenous concrete surfaces and flanks
- Increased frost and de-icing resistance
- Better durability
- Less quality variations and consequently less second grade products

APPROVALS / STANDARDS

Conforms to the requirements of BS 8443:2005, semi-dry concrete admixtures

PRODUCT INFORMATION

Chemical Base	Surfactant
Packaging	Drum: 200 L IBC: 1000 L
Shelf Life	12 months from date of production if stored properly in original, unopened packaging.
Storage Conditions	Protect from frost, direct sunlight and contamination
Appearance / Colour	Orange liquid
Density	1.00 kg/dm ³ at +20°C

Total Chloride Ion Content ≤0.10 % w/w (chloride free)

Equivalent Sodium Oxide ≤0.1 % w/w (alkali content)

APPLICATION INFORMATION

Recommended Dosage 0.1% - 0.6% of cement by weight

Dispensing SikaPaver® HC-1 shall be added with the mixing water or introduced at the end of the mixing process.
The necessary mixing time after the admixture dosage depends on the individual mixer.

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.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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

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.

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Product Data Sheet

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