

# PRODUCT DATA SHEET

## SikaPaver® HC-40

Plasticizer for semi dry concrete

### DESCRIPTION

SikaPaver® HC-40 is a plasticizing concrete admixture specially developed for semi dry concrete. SikaPaver® HC-40 allows the concrete to be more easily compacted and increases the packing capacity, which makes the concrete get a denser structure in fresh and hardened condition.

### USES

SikaPaver® HC-40 is for example used for:

- Groundstone
- Hollow cores
- Roof tiles
- Concrete pipes.

### CHARACTERISTICS / ADVANTAGES

- Increases packing capacity
- Reduces wear of machines
- Increases machine speed
- More economic concrete compositions
- Constant product quality due to a homogeneous concrete mix

### PRODUCT INFORMATION

<b>Packaging</b>	Can 20 kg, barrel 200 kg, IBC 1000 kg and tanker truck.
<b>Shelf life</b>	9 months from date of production (tanker truck 16 months).
<b>Storage conditions</b>	Storage temperature between +5 °C and +35 °C. Protect from direct sunlight and frost. Use clean plastic, glass fiber or stainless steel tanks when storing SikaPaver® HC-40. These should be cleaned and disinfected at least once a year. Stirring must be done mechanically or with round pumping. Avoid air blowing.
<b>Appearance and colour</b>	White transparent liquid
<b>Density</b>	1,02 ± 0,02 kg/dm <sup>3</sup>
<b>Conventional dry material content</b>	12 ± 0,6 weight-%

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### SUSTAINABILITY

For the product's assessment in the different building criteria systems, see MiljöAppen.

Here you will also find information about EC1, M1, link to the building product declaration, safety data sheets etc. The MiljöAppen, can also be reached through entering [www.sikamiljoapp.se](http://www.sikamiljoapp.se) in your web browser.

### APPROVALS / CERTIFICATES

- This product is certified by Vattenfall Services Nordic AB as an admixture for semi-dry concrete. Certification Number: 16534.
- The product fulfills the criteria for chemical products at BASTA.

pH-Value	4,5 ± 1
Total chloride ion content	<0,10 % by weight
Equivalent sodium oxide	<0,40 % by weight

## TECHNICAL INFORMATION

Concreting guidance	Automatic dosing equipment by volume or weight is recommended, observe density and dry content. Add SikaPaver® HC-40 at the earliest stage with the mixing water. This have to be checked in each specific concrete mix and mixing equipment to receive the maximum effect.
Concrete mixing time	Recommended mixing time is 45-180 s due to type of mixer.

## APPLICATION INFORMATION

Recommended dosage	0.3-1.0 % by cement weight
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## 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.

## IMPORTANT CONSIDERATIONS

Pre trials shall be performed according to required concrete standards with actual materials to clarify the right effect is achieved. The effect of this admixture is strongly effected by witch cement type is in use. In some cases, compared to a reference without admixture, the amount of compaction cycles could be higher to get the same final density and at the same time the capillarity and strength could also be lower.

## 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 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.