

# PRODUCT DATA SHEET

## SikaPaver® C-1

COMPACTION AID FOR ECONOMIC PRODUCTION WITH SEMI-DRY CON-  
CRETE



### DESCRIPTION

SikaPaver® C-1 is a compaction aid for economic production of precast elements made from semi-dry concrete with immediate de-molding.

### USES

- Concrete Pavers
- Concrete tiles
- Landscaping elements
- not standardized concrete elements

### CHARACTERISTICS / ADVANTAGES

SikaPaver® C-1 causes in semi-dry concrete:

- Better dispersion and wetting of cement, additives and pigments
- Reduced friction between cement and aggregates

SikaPaver® C-1 offers the following advantages:

- Stronger compactability, which allows for example achieving shorter cycle times or reduced pore content.
- Increased green strength (shape keeping) after immediate de-molding
- Better durability
- More economic mix designs
- Less quality variations and consequently less second grade products

### APPROVALS / CERTIFICATES

Corresponds to EN 934-2 Table 2 (plasticizer).

### PRODUCT INFORMATION

Composition	Ligno sulfonate
Packaging	Drum: 220 kg net weight IBC: 1000 kg net weight Bulk: min 6 t
Appearance / Colour	brown liquid
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.
Density	1.14 kg/dm <sup>3</sup> at +20°C
pH-Value	ca. 5
Total chloride ion content	≤ 0.10 %

## APPLICATION INFORMATION

<b>Recommended dosage</b>	0.2 – 0.6 % of binder weight (cement and fly ash)
<b>Dispensing</b>	SikaPaver® C-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.
<b>Restrictions</b>	Before use suitability tests must be performed. Sufficient compaction of base and face concrete 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.

## 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.

## 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.

## 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.

## 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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