

PRODUCT DATA SHEET

SikaPaver® SD Block

Water reducing/plasticising admixture

PRODUCT DESCRIPTION

SikaPaver® SD Block is a liquid admixture which is formulated from modified Lignosulphonates.

USES

- SikaPaver® SD Block is used for producing optimised semi-dry concrete with a very low moisture content. Semi-dry concrete production is generally used in the manufacture of machine-made concrete products associated with instant demoulding.
- Block paving
- Kerbstones
- Edgings and other items for garden and landscape design
- Building blocks and bricks
- Concrete pipes
- Manholes and drainage goods

CHARACTERISTICS / ADVANTAGES

- Efficient dispersion and distribution of cement, additives and pigments
- Improved movement of the concrete through the machine (faster mould filling)
- Optimised compaction with shorter pressing time and increased throughput (shorter production cycle)
- Increased “green” strength on immediate de-moulding
- More economic concrete mix designs
- Closer textured and more uniform surfaces
- Consistent product quality due to a homogenous concrete mix
- Increased density
- Enhanced early and ultimate compressive and tensile strengths

APPROVALS / STANDARDS

Conforms to the requirements of BS 8443 Semi-dry concrete admixtures

PRODUCT INFORMATION

Chemical Base	Modified Lignosulphonates
Packaging	1000 litre IBC and Bulk Tanker
Shelf Life	12 months from date of production if stored properly in undamaged unopened, original sealed packaging.
Storage Conditions	Store in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost.
Appearance / Colour	Brown Liquid
Density	1.20 kg/L
Total Chloride Ion Content	<0.1 % (chloride free)
Equivalent Sodium Oxide	<0.6 % (alkali content)
Specific Advice	<ul style="list-style-type: none"> ▪ The standard rules of good concreting practice, concerning production and placing, are to be followed.

- Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components.
- Fresh concrete must be cured properly and curing applied as early as possible.

Recommended Dosage	0.3 – 0.5% by weight of cement
Dispensing	<ul style="list-style-type: none"> ▪ SikaPaver® SD Block is added to the gauging water or added with it into the concrete mixer. ▪ To take advantage of the optimum water reduction, a wet mixing time, which is depending on the mixing conditions and mixer performance, of at least 60 seconds is recommended. ▪ To avoid excess water in the concrete, the final dosage must begin only after 2/3 of the wet mixing time.
Compatibility	SikaPaver® SD Block may be combined with many other Sika products. Important: Always conduct trials before combining products in specific mixes and contact our Technical Service Department for information and advice about any specific combinations.

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.

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited



Product Data Sheet
SikaPaver® SD Block
July 2023, Version 03.01
021404061000000134

SikaPaverSDBlock-en-GB-(07-2023)-3-1.pdf