

PRODUCT DATA SHEET

SikaPaver®-803

New generation of polycarboxylic ether-based plasticizer for Manufactured Concrete Products, specially engineered for use in production hollow-core slabs and masonry

DESCRIPTION

SikaPaver®-803 is an innovative multi-purpose plasticizer based polycarboxylic ether polymers specially developed for semi-dry concrete mixes. The product is suitable for the production of hollow-core slabs and masonry.

At the same time, SikaPaver®-803 accelerates the strength development and reduces the cycle time whilst the appearance is maintained or even improved.

Due to its unique principle of action on the cement grain, SikaPaver®-803 fully exploits the hydration potential of cement resulting in higher early strengths and shorter curing times.

Suitable to use in hot and tropical climatic conditions.

USES

SikaPaver®-803 is suitable for Manufacturing Concrete Products, especially:

- Masonry Blocks
- Hollow-core slabs

- Roof tiles
- Kerbstones
- Landscaping elements

FEATURES

SikaPaver®-803 offers the following benefits for the MCP industry:

- Optimised mix design
- Enhanced productivity due to shorter cycle time
- Higher early strength
- Optimised curing cycles due to shorter curing times
- Possibility of using recycled aggregates
- Fair-faced hollow blocks

CERTIFICATES AND TEST REPORTS

SikaPaver®-803 follows the requirements of EN 934-2 Table 3.1 and 3.2

PRODUCT INFORMATION

Composition	New generation of polycarboxylic ether-based plasticizer
Packaging	1000 L flowbin or bulk supply in tanker
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +50 °C. Mix well before using.
Appearance and colour	Light to dark brown liquid
Density	~1.18 kg/l (+25 °C)
Total chloride ion content	Nil (EN 934-2)

TECHNICAL INFORMATION

Concreting guidance The standard rules of good concreting practice for production and placing must be observed when using SikaPaver®-803 in concrete. Refer to relevant standards.

APPLICATION INFORMATION

Recommended dosage 0.4 - 1.2 % by weight of binder.
Dosages outside of this range can be used depending on the mix design, raw materials, climatic conditions and concrete requirements. Trial mixes must be performed to establish the exact dosage rate required.

Dispensing SikaPaver®-803 is a liquid ready-to-use admixture to be added to the concrete during the mixing process. The best results are obtained when the admixture is added after all the other components are already in the mixer and after the addition of at least 80 % of the total water.
The water content is adjusted to obtain the desired consistence or workability.

Compatibility SikaPaver®-803 is compatible and recommended for use with: SikaPaver® WP 240, water repellent and efflorescence control admixture

We recommend to perform trial mixes to establish the required performance when combined with the above products. Please consult our Sika Technical Department.

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

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. SikaPaver®-803 is not compatible with SikaPaver®-764 or Sikament® superplasticizers. For further information and advice, please contact our Technical Service Department.

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.

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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ISO 9001, 14001, 45001 – SGS
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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



Product Data Sheet
SikaPaver®-803
September 2024, Version 01.01
02140406100000210

