

PRODUCT DATA SHEET

SikaPaver®-777

New generation plasticizer for Manufactured Concrete Products, specially engineered for hollow-core slabs, block and paver mixes

DESCRIPTION

SikaPaver®-777 is an innovative multi-purpose plasticizer specially developed for semi-dry concrete mixes. The product is suitable for the production of hollow-core slabs, blocks and pavers. At the same time, SikaPaver®-777 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®-777 fully exploits the hydration potential of cement resulting in higher early strengths and shorter curing times. Suitable for use in hot and tropical climatic conditions.

USES

SikaPaver®-777 is suitable for Manufacturing Concrete Products, especially:

- Pavers
- Blocks
- Hollow-core slabs

FEATURES

SikaPaver®-777 offers the following benefits for the MCP industry to:

- Optimised mix design
- Enhanced productivity due to shorter cycle time
- Higher early strength
- Optimised curing cycles due to shorter curing times
- Improved aesthetic appearance
- Economical
- Enhance performance and durability

PRODUCT INFORMATION

Packaging	210 litre drums or bulk.
Appearance and colour	Dark brown free-flowing liquid
Shelf life	12 months from date of production if stored properly
Storage conditions	Store under cover, out of direct sunlight and protect from extremes of temperature (below: 5°C and above: 35°C). Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consults SikaTechnical Services Department.
pH-Value	5 – 8
Specific gravity	~ 1.150 @ 25°C

TECHNICAL INFORMATION

Concreting guidance

The standard rules of good concreting practice for production and placing must be observed when using SikaPaver®-777 in concrete. Refer to relevant standards. Fresh concrete must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika® Antisol® products as a curing agent or apply wet hessian.

APPLICATION INFORMATION

Recommended dosage

0.5 to 1.5 L per 100 kgs of total binder. Trial mixes must be performed to establish the exact dosage rate required.

Compatibility

SikaPaver®-777 is suitable for mixes containing the following Sika products;

- SikaPaver®-742 colour enhancer
- SikaPaver®-744 water repellent

We recommend to perform trial mixes to establish the required performance when combining SikaPaver®-777 with the above products or other admixtures. Please consult Sika Technical Department for further assistance.

Dispensing

SikaPaver®-777 is a ready-to-use admixture to be added to the concrete as a separate component. Optimal result is obtained if SikaPaver®-777 is poured into the concrete mix right after the addition of the first 80% of the mixing water, i.e. when all solids are wetted. Avoid adding the admixture to the dry aggregates.

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

SikaPaver®-777 a mix design must be selected for the local material sources used and trial mixes performed to verify suitability. If frozen and/or if precipitation has occurred, it may only be used after thawing slowly at room temperature and intensive mixing. SikaPaver®-777 should not be added

to dry cement. Before pouring, suitability tests on the fresh concrete must be carried out.

SikaPaver®-777 is not compatible with the following sika products;

- SikaPaver®- 763
- SikaPaver®- 700
- SikaPaver®- 701
- SikaPaver®- 703
- Sika® ViscoCrete® GL superplasticizers

ECOLOGY, HEALTH AND SAFETY

No special requirements must be observed while the product is used. Protection gloves and glasses are recommended. Do not eat, drink or smoke during the application. SikaPaver®-777 is nonflammable, non-toxic or irritant and is not subject to special transport requirements.

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.

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ISO 9001, 14001, 45001 – SGS
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ISO 9001, 14001 – SGS
Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
Sika MB Construction Chemicals LLC
Sika Construction Chemicals
for Manufacturing LLC
ISO 9001 – LMS
Sika MB LLC

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

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