

PRODUCT DATA SHEET

SikaPaver[®]-765 KE

New generation of polycarboxylic ether-based plasticizer for manufactured concrete products, specially engineered for use in production hollow-core slabs, masonry and paving blocks.

DESCRIPTION

- SikaPaver[®]-765 KE 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, masonry and paving blocks.
- SikaPaver[®]-765 KE 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[®]-765 KE fully exploits the hydration potential of cement resulting in higher early strengths and shorter curing times. Suitable to use in hot and tropical climatic condition

USES

SikaPaver[®]-765 KE is suitable for manufacturing concrete products, especially: Concrete Pavers, Masonry Blocks, Hollow-core slabs, Roof tiles, Kerbstones, and Landscaping elements

CHARACTERISTICS / ADVANTAGES

SikaPaver[®]-765 KE offers the following benefits for the manufactured concrete product industry to:

- Enhanced productivity due to shorter cycle time.
- Higher early strength.
- Enhanced curing cycles due to shorter curing times.

APPROVALS / CERTIFICATES

SikaPaver[®]-765 KE follows the requirements of EN 934-2 Tables 3.1 and 3.2

PRODUCT INFORMATION

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| Composition | New generation of polycarboxylic ether-based plasticizer |
| Packaging | ▪ 25 L, 1000 L IBC and bulk supply in tanker |
| Appearance / Colour | Clear to Pale Yellow Liquid |
| 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 +40°C. Mix well before using. |
| Density | ~1.04 kg/l (+25 °C) |
| pH-Value | 3-6 |
| 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®-765 KE 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

0.4 - 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.

Compatibility

- SikaPaver®-765 KE is suitable for mixes containing all types of cement and supplementary cementitious materials such as: Microsilica (Silica Fume), Fly Ash (PFA), GGBS (ground granulated blast furnace slag)
 - SikaPaver®-765 KE is also compatible with the following Sika products: Sika®FerroGard®, SikaFiber®, Sika® Aer, and SikaControl®
 - We recommend to perform trial mixes to establish the required performance when combining SikaPaver®-765 KE with the above products or other admixtures. Please consult our Sika Technical Department.
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Dispensing

SikaPaver®-765 KE 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.

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.

IMPORTANT CONSIDERATIONS

- Before pouring, suitability tests on the fresh concrete must be carried out.
- If frozen and/or if precipitation has occurred, it may only be used after thawing slowly at room temperature and intensive mixing.
- When using SikaPaver®-765 KE a suitable concrete mix must be designed for the local material sources and trial mixes performed to verify suitability.
- When accidental overdosing occurs the set retarding effect increases.

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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.