

PRODUCT DATA SHEET

SikaScreed[®]-04 L

Economic drying accelerator for cement screeds

DESCRIPTION

SikaScreed[®]-04 L reduces the water demand of earth-moist to plastic consistency screed mortars with improved processing property with extended working time and much higher strength.

USES

SikaScreed[®]-04 L is particularly suitable for:

- Heated screeds
- Cement screeds with very high final strength
- Shortening the times to ready for covering of building site cement screeds
- Cement screeds with W/C-values of 0.55-0.45
- Bonded screeds, on separating layer or insulation
- Extended working time

CHARACTERISTICS / ADVANTAGES

SikaScreed[®]-04 L causes

- Better dispersion and wetting of the cement
- Physical separation of Fines
- Reduced frictional forces between cement and aggregates
- Up to 25% lower water demand
- Long duration of action

This results in cement screeds

- Strongly reduced processing and compaction effort
- Lower W/C-value due to strong water reduction (W/C 0.45-0.55)
- Higher density and thus good thermal conductivity
- Up to 50% higher strength
- More solid surfaces
- Ready for floor covering after 10 to 18 days

PRODUCT INFORMATION

Composition	Polycarboxylate-Lignin mix
Packaging	Canister: 10 kg; 600 kg on a pallet; Canister: 20 kg; 480 kg on a pallet; IBC of 1'000 kg net
Appearance / Colour	Dark brown liquid
Shelf life	12 months from date of production, if stored properly in undamaged, unopened, original sealed packaging.
Storage conditions	Protect from direct sunlight, frost and contamination. After a long storage stir before use.
Density	Approx. 1.13 g/cm ³
pH-Value	Approx. 5

APPLICATION INFORMATION

Recommended Dosage

0.6-2.0 % from cement weight
approx. 0.40 l each 50 kg cement; ready for covering approx. 18 – 21 days
approx. 0.70 l each 50 kg cement; ready for covering approx. 10 – 14 days
approx. 1.00 l each 50 kg cement; ready for covering approx. 7 – 10 days
Formulation example CT-C25-F4 unheated, ready for covering after 2 weeks:

50 kg cement (CEM II A-LL 32,5 R)

300 kg Screed sand A/B 0-8 mm

approx. 10-13 l water (Take into account inherent moisture of the sand)

approx. 0.70 l SikaScreed® -04 L

The information refers to a 200 l screed mixing vessel and based on laboratory tests and experience. In unfavourable composed aggregates and deviating cements there may be difference strengths. After completion of the filling and closing of the mixing vessel, an additional mixing time must be maintained for 60 seconds.

Dispensing

SikaScreed®-04 L is added to the first gauging water (5-10 l) into the mixer. For optimal utilization of the liquefaction potential, we recommend a wet mixing time of 60 seconds before fine water dosage to avoid too soft consistency. The required mixing time after the addition is dependent from the mixer and must be long enough.

Before use, preliminary testing is required to determine the optimal dosage with the existing aggregates and cements. As part of this proficiency tests, the processing and technical characteristics of the screed mortar can be checked. High temperatures accelerate and low temperatures delay drying. During the drying phase adequate air exchange is to ensure.

Please contact our Technical Service Department for more information and assistance.

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.

data sheets on product safety and disposal can be found on the Internet at www.sika.de.

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 the exact product data and uses.

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. Further notes and information

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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