

PRODUCT DATA SHEET

Sikament[®]-MK

Multi-Purpose Highly Effective Water-Reducer & Set Retarding Concrete Admixture

DESCRIPTION

Sikament[®]-MK is a chloride-free, highly effective Water-reducer concrete admixture that acts as a multi-purpose admixture in terms of enhanced water-reducing efficiency and improved free flowing effect for the production of high-performance concrete. A substantial water reducing agent for promoting high, early, and ultimate strengths. It imparts excellent slump retention for prolonged periods, what makes it suitable for hot climate conditions.

USES

As a superplasticizer, Sikament[®]-MK provides:

- High water reducing effect – up to 35%
- Workability especially where difficult placing conditions are encountered and to obtain dense concrete.
- Excellent slump retention with normal set without retardation.
- Decreases the concrete permeability.
- Used for: Slabs, foundations, walls, columns, piers, piles, slender...
- Suitable for: Pre-stressed concrete, precast concrete, bridges & Cantilever.

CHARACTERISTICS / ADVANTAGES

- Increased setting times at elevated temperatures
- Long lasting control of slump loss.
- Reduced water without loss of workability.
- Improved workability without increased water content.
- Reduced shrinkage and creep. Improved surface finish.
- Increased strengths.
- Chloride free.

APPROVALS / CERTIFICATES

Complies with ASTM C 494 Type D&G

PRODUCT INFORMATION

Composition	Modified organic polymers
Packaging	Bulk delivery 1200 Kg IBC
Appearance / Color	Liquid / Brown
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 +30 °C. Protect from direct sunlight and frost.
Density	1.20 ± 0.015 kg/L (at +20 °C)
Total Chloride Ion Content	< 0.1 % w/w

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APPLICATION INFORMATION

Recommended Dosage	0.4 % - 2.5 % by total weight of cementitious material used. It is advisable to carry out trial mixes to establish the exact dosage. For more specific requirements, advice is available from our Technical Service Department to determine the usage rate for optimum results.
Compatibility	Do not use Sikament® series combined with Viscocrete® / Viscoflow® series. To produce flowing and / or self-compacting concrete, special concrete mix design is required. Pre-trials are recommended and mandatory if combinations with the above products are required. Please consult to our Technical Service Department.

APPLICATION INSTRUCTIONS

DISPENSING

Sikament®-MK can be added to the gauging water prior to its addition to the dry aggregates or separately to the freshly mixed concrete (on the batching plant or on site into the truck mixer). Where added to truck mixer on site, further mixing for five minutes should be carried out.

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.

LOCAL RESTRICTIONS

Note that because 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.

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 Near East s.a.l.
Secteur 5, Rue 70.
Jisr el-Bacha, Sin el-fil
Beirut, Lebanon
Tel. +961 1 510270
lbn.sika.com

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