

PRODUCT DATA SHEET

Sikament®-1000 LB

MID-RANGE WATER REDUCING CONCRETE ADMIXTURE

DESCRIPTION

Sikament®-1000 LB is a liquid admixture which is blend mainly polycarboxylate and carbohydrates. Sikament®-1000 LB is used as a mid-range water reducer. Especially It gives low bleeding in blended concrete. It meets the requirement of KS F 2560.

USES

Sikament®-1000 LB is used for:

- High performance/ high strength concrete
- for normal ready mixed concrete
- Less sensitive to variations in cement and aggregate types than superplasticizer
- The site that needs resistance of freezing & thawing, low bleeding

CHARACTERISTICS / ADVANTAGES

Sikament®-1000 LB is suitable for the stated below.

- Improved strength
- Improved durability
- Relatively reduced mix costs more than Sika®Plastocrete®series products.
- Reduced segregation and bleeding
- Reduced drying shrinkage

Sikament®-1000 LB can offer more water reductions than Sika®Plastocrete®series products

APPROVALS / CERTIFICATES

Conforms to the requirements of KS F 2560

PRODUCT INFORMATION

Composition	Blend of polycarboxylate and carbohydrates.
Packaging	200kg/drum, 1,000kg/IBC, Tank lorry/bulk
Appearance / Colour	Brownish liquid
Shelf life	12 months from date of manufacture when stored as stated below
Storage conditions	Store in unopened original containers protected from direct sunlight and frost at temperatures between +5°C and +25°C
Specific Gravity	1.07 ± 0.05 (at +20 °C)

APPLICATION INFORMATION

Recommended Dosage	0.5~2.0% by weight of binder including cement. Trials are recommended to determine the dose rate for each application.
Compatibility	Do not use Sikament®-1000 LB mixed with naphthalenesulfonic / melamin acid. Trials are recommended before combining other products.

Dispensing

Sikament®-1000 LB is added to the gauging water or simultaneously poured with it into the concrete mixer at the batching plant. Do not add Sikament®-1000 LB directly to the dry mix.

For optimum utilization of its high water reduction property we recommend thorough mixing at a minimal wet mixing time of 60 seconds.

The addition of the remaining gauging water (to fine tune concrete consistency) may only be started after two-thirds of the wet mixing time to avoid surplus water in the concrete.

IMPORTANT CONSIDERATIONS

Before pouring suitability tests on the fresh concrete must be carried out.

Due to the extended workability take special care that formwork is properly installed and secured.

If frozen and/or if precipitation has occurred, it may only be used after thawing slowly at room temperature and intensive mixing.

When using Sikament®-1000 LB a suitable concrete mix must be designed for the local material sources and should be trialed.

When accidental overdosing occurs the set retarding effect and workability increases. Additional air may also be entrained.

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 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.

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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