

PRODUCT DATA SHEET

Sikament[®] N LB

MULTI PURPOSE HIGHLY EFFECTIVE WATER REDUCER CONCRETE ADMIXTURE

DESCRIPTION

Sikament[®] N LB 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 to produce high-performance concrete. A substantial water reducing agent for promoting high, early and ultimate strengths.

USES

- High water reducing effect – up to 35%
- Workability especially where difficult placing conditions are encountered and to obtain dense concrete.
- A normal set with no retardation.
- Decreases the concrete permeability.
- Used for: Slabs, foundations, walls, columns, piers, piles, slender...
- Suitable for: Pre-stressed concrete, precast concrete, bridges & Cantilevers...

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 F

PRODUCT INFORMATION

Composition	Synthetic dispersion
Packaging	Bulk deliveries in 1200 Kg IBC
Appearance/ Colour	Brown liquid
Shelf life	12 months from date of production
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +35 °C. Always refer to packaging.
Specific gravity	1.185 ± 0.015 Kg/lt
pH-Value	7.5 - 10.0 (Approx.)

APPLICATION INFORMATION

Recommended dosage	0.6 – 3.2 % by weight of cement Exact dosage rates are dependent on the type of effect sought, quality of cement and aggregates - water/ cement ratio and ambient temperature. Therefore, in many cases it is advisable to carry out trial mixes.
Compatibility	Sikament®N LB is compatible with all types of Portland cements including sulphate resistant cement and Hydraulic Cement. Also compatible with Sika® Fume (Micro Silica) and a wide range of Sika® products including Air Entrained admixtures Sika® Aer, integral waterproof admixtures Sika® 1 and Sika®Plastocrete N and many other Sika® products.
Dispensing	Sikament® N LB can be added to the mixing water prior to its addition to the aggregates or directly to the freshly mixed concrete (the plasticizing effect is more pronounced). The correct quantity of Sikament®N LB should measure by means of a recommended dispenser.
Curing	Fresh concrete must be cured properly, especially at high temperatures to prevent plastic and drying shrinkage. Use Sika® Antisol products as a curing agent or apply wet hessian.

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

Accidental overdosing of Sikament® N LB may cause segregation. In this case, it is advisable to prolong mixing time until concrete become normal. Excessive water addition may cause bleeding or segregation.

LOCAL RESTRICTIONS

Please note that because of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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 Material Safety Data Sheet 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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