

Sikament[®] LN

High Range Water Reducing

Description	A highly effective water reducing agent and superplasticizer for promoting accelerated hardening with high workability. Complies with A.S.T.M. C 494-92 Type F
Use	Sikament LN is a high range water reducing concrete admixture specially formulated for the precast concrete element industry; to meet the demand of early removal of formwork due to the early strength gain. Enables concrete placing equipment to be used to its full capacity. Effective throughout dosage range.
Advantages	Sikament LN provides the following properties : <ul style="list-style-type: none"> ■ Up to 20% reduction of water will produce 40% increase in 28 days compressive strength ■ Increased watertightness.
Dosage	Sikament [®] LN can be used at the dose rate 0.30% - 2.0% by total weight of cementitious material depending on requirements concerning workability and strength. It is recommended that trial mixes be conducted to determine the exact dosage rate required. Note : <ul style="list-style-type: none"> ■ Typical dosage rate for use with silica sand is 0.30 % - 1.20% by weight of cementitious material. ■ Typical dosage rate for use with combination of manufactured sand / volcanic sand is 0.4 % - 2.0% by weight of cementitious material. <p>For more specific requirements, advice is available from our Technical Service Department to determine the usage rate for optimum results.</p>
Dispensing	Sikament LN 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 three to five minutes should be carried out.
Combinations	Sikament LN may be combined with the following products: <ul style="list-style-type: none"> ■ Plastocrete series ■ Plastiment series ■ SikaFume ■ Sika AER ■ Sika Pump <p>Pre-trials are recommended if combinations with the above products are required. Please consult our Technical Service Department.</p>



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Technical Data

Type	Modified Naphthalene Formaldehyde Sulfonate
Colour	Dark brown
Specific Gravity	1.18 – 1.20 kg/ ltr
Shelf life	1 year in unopened original container
Storage	Dry, cool, shaded place
Packaging	240 kg drum Bulk delivery

Handling

Precautions:

- Avoid contact with skin and eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly.
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.

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 product 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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