

Sikament[®] -100

High Range Water Reducing and Retarding Concrete Admixture

Product Description	A highly effective super plasticizer with a slight set retarding effect for producing free-flowing concrete in hot climates. Also a substantial water reducing agent for promoting high early and ultimate strengths.
Uses	It complies with ASTM C-494 Type G and B.S. 5075 Part 3. 1983 Sikament [®] -100 as a super plasticizer for flow concrete in : <ul style="list-style-type: none">■ Floor Slabs■ Foundations■ Slender components with packed reinforcement■ Wales■ Columns■ Beams and ceilings
Advantages	Sikament [®] -100 provides the following properties: <u>As Super Plasticizer:</u> Substantial improvement in workability without increased water or the risk of segregation. Long lasting control of slump loss. No adverse effect on ultimate strengths. <u>As Water Reducer:</u> Early and ultimate strengths significantly increased. Up to 15% water reduction. Especially suitable for hot climates. No excessive air entrainment. No adverse shrinkage effect. Improved surface finish. Increased water tightness. CHLORIDE FREE (according to British Standards).
Technical Data	
Base	Modified Synthetic Dispersion
Appearance / Colour	Brown liquid
Density (at 20°C)	1.16 (ASTM C494)
Packaging	5 and 20 kg pails 220 kg drums Bulk Tanks packing available upon request
Storage	When possible protect from direct sunlight. Free from frost.
Shelf Life	12 months from date of production if stored properly in original unopened packing.
Application Dosage	The dosage of Sikament [®] -100 will be between approximately 0.6-1.25% by weight of cement, however, it is advisable to carry out trail mixes to establish the correct dosage rate required. Sikament [®] -100, although compatible with all types of Portland cement including SRC, it may perform differently with variation in cement producers and cement chemical compositions.
Dispensing	Sikament [®] -100 can be added separately to the freshly mixed concrete or directly to the mixing water prior to its addition to the aggregates. When added separately to the freshly mixed concrete, further mixing should take place for at least one minute per cubic meter. Automatic and accurate dispensing equipment is available from Sika [®] .



Construction

Safety Instructions

Ecology	Do not dispose of into water or soil but according to local regulations.
Safety Precautions	Accidental splashes to the skin must be washed off with water and soap. Accidental splashes to the eyes or mucous membrane must be rinsed with clean warm water. Seek medical attention.
Transport	Non-hazardous
Toxicity	Non-Toxic under relevant health and safety codes.

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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