

SikaPlast® -5000

Super plasticizer 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. It complies with ASTM C-494 Type G and BS 5075 Part 3.
Uses	SikaPlast® -5000 as a super plasticizer for flow concrete in : <ul style="list-style-type: none"> ■ Floor slabs. ■ Foundations. ■ Slender components with packed reinforcement. ■ Walls. ■ Columns. ■ Beams and ceilings.
Advantages	SikaPlast® -5000 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 strengths significantly increased. High ultimate strengths. 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-does not attack reinforcement
Technical Data	
Base	Synthetic Dispersion
Appearance / Colour	Dark Brown liquid
Density (at 20°C)	1.16 ± 0.005 kg/l
Packaging	5 and 20 kg pails 220 kg drums Bulk Tanks packing available upon request
Storage Conditions	Store in dry conditions, protected from direct sunlight and frost.
Shelf Life	12 months from date of production if stored properly in undamaged and unopened original sealed packing.



Application

Dosage

The dosage of SikaPlast[®] -5000 will be between approximately 0.6 - 2.25 % by weight of cement, however, it is advisable to carry out trial mixes to establish the correct dosage rate required.

SikaPlast[®] -5000 although compatible with all types of Portland cement including SRC, may perform differently with variations in cement producers and cement chemical composition.

Dispensing

SikaPlast[®] -5000 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[®].

Safety Instructions

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.

Ecology

Residues of material must be removed according to local regulations.

Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.

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.

