

SikaPlast®-1 S

MID RANGE WATER REDUCING ADMIXTURE

Construction

Product Description SikaPlast®-1 S is a chloride-free, highly effective Super-plasticizer concrete admixture that outperforms standard fluidizers powered by Sika® ViscoCrete® technology.

Uses SikaPlast®-1 S is used as a superplasticizer in the production of concrete such as:

- Slabs and foundations
- Walls, columns and piers
- Slender components with densely packed reinforcement
- Water tanks

Advantages SikaPlast®-1 S provides the following properties:

- Improved workability without increasing water content
- Reduced water without loss of workability.
- Increased strengths.
- Reduced shrinkage and creep. Improved surface finish
- Chloride free.

Product Data

Type Modified Polymers Dispersion.

Form Light Amber

Packaging 1020 Kg flow bins

Storage condition Store in a dry minimum area between 10°C and 30°C. Protect from direct sunlight in an unopened package

Shelf life 12 months minimum from date of production if stored properly in original unopened packaging



Sika Near East s.a.l.

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Application Details

Dosage 0.8 - 2 % by weight of cement. Exact dosage rates are dependent on the type of effect required, quality of cement, aggregates, water cement ratio and ambient temperature. Therefore, in many cases it is advisable to carry out trial mixes. SikaPlast®-1 S is compatible with all types of Portland cements including S.R.C.. Accidental over dosing of SikaPlast®-1 S will cause extended delay in the initial set, however, the final strength will not be impaired

Technical Data

Density at 25°C 1.03 kg/Lt.± 0.01

Chloride content Nil (EN 934-2)

Dispensing **SikaPlast®-1 S** can be added directly to the freshly mixed concrete (the plasticizing effect is more pronounced). The correct quantity of SikaPlast®-1 S should be measured by means of a recommended dispenser.

Curing Fresh concrete must be cured properly, especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika Antisol products as a curing agent or apply wet hessian.

Compatibility **SikaPlast®-1 S** is compatible with all types of portland cements including sulfonate resistant cement.

Cleaning Clean all equipment and tools with water immediately after use.

Remarks When accidental overdosing occurs, the set retarding effect increases, additional air entrapped. During this period the concrete must be kept moist in order to prevent premature drying out.

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 without delay.

Skin barrier cream, safety goggles and rubber gloves are recommended.

Ecology Do not dispose of into water or soil but according to local regulations.

Toxicity Non-toxic

Transportation Non-hazardous.

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 practice, the differences in materials, substratum 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request



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