

Sikament®-712 PK

High Range Water-Reducing and Set Retarding Concrete Admixture

Product Description **Sikament®-712 PK** is used as a highly effective water-reducing agent and superplasticizer for the production of high quality, free flowing concrete in hot climates. The dual action of **Sikament®-712 PK** promotes accelerated hardening with high early and ultimate strengths. Suitable for use in tropical and hot climatic conditions.

Uses **Sikament®-712 PK** is used wherever high quality concrete is demanded under difficult placing and climatic conditions

Advantages **Sikament®-712 PK** provides the following properties:

As a Superplasticizer

- Substantial improvement in workability without increased water or the risk of segregation.
- Long-lasting control of slump loss.
- No adverse effect on ultimate strengths.

As a Water Reducer

- Early strengths significantly increased.
- High ultimate strengths.
- Up to 20% water reduction.
- Especially suitable for hot climates.
- No excessive air-entrainment.
- No adverse shrinkage effect.
- Improved surface finish.
- Increased water tightness.

Product Data

Type Organic polymer blend

Form Brown Liquid

Packaging 200 lt. drums and 1000 lt. flow bins
Bulk supply in tanker trucks is possible on demand

Storage Condition Store in a dry area between 5°C and 35°C. Protect from direct sunlight

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

Technical Data

Density at 25°C Approximately 1.16-1.18 kg/lit

pH value Approximately 7

Chloride content Nil (EN 934-2)

Construction



Application Details

Dosage	0.8 - 2.5% by weight of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.
Dispensing	Sikament®-712 PK 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.
Concrete Placing	The standard rules of good concreting practice (production as well as placing) must also be observed when using Sikament®-712 PK concrete.
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	Sikament®-712 PK may be combined with the following Sika products: - SikaPump - Sika FerroGard-901 - SikaFume Pre-trials are recommended if combinations with the above products are being made. Please consult our Technical Services Department
Cleaning	Clean all equipment and tools with water immediately after use.
Remarks	When accidental overdosing occurs, the set retarding effect increases, however, no excessive amount of additional air will be entrained. 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 under the relevant Swiss health and safety codes.
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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Construction

