

PRODUCT DATA SHEET

Sikament[®] HRM PK

High Range Water Reducing And Slump Retaining Concrete Admixture

DESCRIPTION

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

USES

Sikament[®] HRM PK is used wherever high-quality concrete is demanded under difficult placing and climatic conditions.

CHARACTERISTICS / ADVANTAGES

Sikament[®] HRM 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.

As a Water Reducer

- Early strengths significantly increased
- High ultimate strengths
- $\geq 20\%$ water reduction
- Especially suitable for hot climate
- No excessive air-entrainment
- No adverse shrinkage effects
- Improved surface finish
- Increased water tightness.

APPROVALS / STANDARDS

Sikament[®] HRM PK Sikament[®]-512 PK follows the requirements of ASTM C494; Type G.

PRODUCT INFORMATION

Chemical Base	Organic polymer blend
Packaging	05 ltr jerry can 20 ltr plastic can 200 ltr drum 1000 ltr IBC Bulk supply in tanker is possible on demand
Shelf Life	12 months minimum from production date if stored properly in original unopened packaging.
Storage Conditions	Store in a dry area between 5°C and 35°C. Protect from direct sunlight.
Appearance / Colour	Brown liquid
Specific gravity	~ 1.18 at 25°C
Solid content by weight	~ 36 %

pH-Value ~ 5-8 at 25°C

Total Chloride Ion Content Nil

APPLICATION INFORMATION

Recommended Dosage 0.8 – 3 % by weight of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.

Dispensing Sikament® HRM 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.

Compatibility Sikament® HRM PK may be combined with the following Sika products:

- Sika Pump
- Sika FerroGard-901
- Sika Fume

It is also compatible with sulphate resistant cement. Pre-trials are recommended if combinations with the above products are being made. Please consult our Technical Services Department.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

CLEANING OF TOOLS

Clean all tools & application equipment with water immediately after use.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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