

PRODUCT DATA SHEET

Sikament[®]-571 KH

High Range Water-Reducing Concrete Admixture

DESCRIPTION

Sikament[®]-571 KH is used as highly effective water reducing agent and superplasticizer for the production of high strength concrete in hot climates. The dual action of Sikament[®]-571 KH promotes accelerated hardening with high early and ultimate strengths.

USES

As a superplasticizer, Sikament[®]-571 KH is used for flowing concrete in :

- Slabs and foundations
- Walls and columns
- Slender components with densely packed reinforcement
- Beams and ceilings

As a substantial water reducing agent, Sikament[®]-571 KH is used where high early and ultimate strength is required, such as:

- Prestressed concrete surfaces
- Concrete elements manufactured in precast factories, where rapid moulding and early load application is required
- Bridges and cantilever structures

PRODUCT INFORMATION

Composition	Napthalene Formaldehyde Sulphonate
Packaging	200Kg/drum - 1000Kg/IBC
Appearance / Colour	Liquid / Brownish color
Shelf life	Min. 1 year if stored properly in original unopened packaging
Storage conditions	Dry, cool, shaded place (between 5 and 40 celcius degrees)
Density	1.16 - 1.18 kg/litre. (25° C)
pH-Value	6.0 - 8.0

APPLICATION INFORMATION

CHARACTERISTICS / ADVANTAGES

Sikament[®]-571 KH provides the following properties :

- Substantial improvement in workability without increased water
- Normal set without retardation
- Accelerated hardening after setting
- Significant increase of early and ultimate strengths, by over 30%
- Especially suitable for concreting at elevated temperatures
- Increased water tightness
- Improved surface finish
- Reduced shrinkage and creep
- Chloride-free, does not attack reinforcement
- Increased resistant to wear and abrasion

APPROVALS / CERTIFICATES

Sikament[®]-571 KH meets the requirements of ASTM C494 Type F.

Recommended dosage	1.0Kg – 2.4Kg Per 100kg of cement/binder. Typical dosage: 1.2Kg – 1.8Kg Per 100kg of cement/binder.
Compatibility	Sikament®-571 KH may be combined with all Sikament, Sika® Aer, Sika® Pump, Sikacrete® PP1 products, but must be added separately to the mix and not premixed prior its addition. Sikament®-571 KH is compatible with all Portland Cement types.
Dispensing	

BASIS OF PRODUCT DATA

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

ECOLOGY, HEALTH AND SAFETY

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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