

PRODUCT DATA SHEET

Sikament[®]-340 G

High Range Water Reducing Admixture and Set Retarding Concrete Admixture

DESCRIPTION

Sikament[®]-340 G is highly effective dual liquid super plasticizer for the production of free flowing concrete or as a substantial water-reducing agent for promoting high early and ultimate strength.

USES

Sikament[®]-340 G is used as a super plasticizer in the production of free flowing concrete such as :

- Floor slabs
- Foundations
- Slender components with packed reinforcement.
- Walls and columns
- Beams and ceilings
- Suitable for slip form construction

Sikament[®]-340 G as a water reducer for the manufacture:

- Bridge and cantilever
- Post-tensioned concrete

CHARACTERISTICS / ADVANTAGES

Sikament[®]-340 G provides the following properties:

As a superplasticizer:

- Substantial improvements 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 30% water reduction
- Especially suitable for hot climates
- Improved surface finish
- Increased watertightness

APPROVALS / CERTIFICATES

Complies with ASTM C-494 type G and BS 5057 Part 3.

PRODUCT INFORMATION

Composition	Modified synthetic dispersion
Packaging	5 and 20 kg pails 220 kg drums Bulk tanks packing available upon request
Shelf life	12 months from date of production if stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in dry conditions, protected from direct sunlight and frost.
Colour	Dark brown liquid
Density	1.175 kg/l at 20 °C (ASTM C-494)

APPLICATION INFORMATION

Dispensing	Sikament®-340 G can be added to the mixing water prior to its addition to the aggregates or directly to the freshly mixed concrete (the plasticizing effect is more pronounced) For ready mix concrete ,Sikament®-340 G is added to the concrete immediately prior to discharge and after further mixing takes place for 3 minutes.
Consumption	0.6-2.0 % by weight of cement depending on desired workability and strength. Trial mixes shall be carried out for the determination of the suitable dosage.

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.

IMPORTANT CONSIDERATIONS

Sikament®-340 G is compatible rwith all types of portland cement including S.R.C and H.B.F cements. Accidental overdosing of Sikament®-340 G causes an extension of the initial setting time, however, no excessive amount or additional air will be entrained.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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