

## PRODUCT DATA SHEET

# Sikament<sup>®</sup> G-660

A HIGHLY EFFECTIVE SUPER PLASTICIZER WITH A SLIGHT SET RETARDING EFFECT FOR PRODUCING FREE-FLOWING CONCRETE IN HOT CLIMATES. ALSO, A SUBSTANTIAL WATER REDUCING AGENT FOR PROMOTING HIGH EARLY AND ULTIMATE STRENGTHS. COMPLIES TO: ASTM C-494

### DESCRIPTION

A highly effective super plasticizer with a slight set retarding effect for producing free-flowing concrete in hot climates. Also, a substantial water reducing agent for promoting high early and ultimate strengths.

### USES

Sikament<sup>®</sup> -G660 as a super plasticizer for flow concrete in :

- Ready mix concrete.
- High strength & hot weathering concrete.
- Floor slabs.
- Foundations.
- Slender components with packed reinforcement.
- Walls.
- Columns.
- Beams and ceilings.

### CHARACTERISTICS / ADVANTAGES

Sikament<sup>®</sup> -G660 provides the following properties :  
As a super plasticizer

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 and ultimate strengths significantly increased. Up to 30% water reduction. Especially suitable for hot climates. No excessive air entrainment. No adverse shrinkage effect. Improved surface finish. Increased water tightness.

### APPROVALS / CERTIFICATES

Complies to: ASTM C-494 Type G and BS EN 934 part 2: 2001.

## PRODUCT INFORMATION

<b>Composition</b>	Synthetic Dispersion.
<b>Packaging</b>	5 Kg & 20 Kg pails 220 kg drums (Bulk Tanks are available upon request)
<b>Appearance / Colour</b>	Dark Brown.
<b>Shelf life</b>	12 months when unopened.
<b>Storage conditions</b>	When possible protect from direct sunlight. Free from frost.
<b>Density</b>	(at 20°C) 1.2 kg/l (ASTM C-494)

## APPLICATION INFORMATION

<b>Recommended Dosage</b>	<ul style="list-style-type: none"><li>▪ The dosage of Sikament® -G660 will be between approximately 0.6 - 2.5 % by weight of cement, however, it is advisable to carry out trial mixes to establish the correct dosage rate required.</li><li>▪ Sikament® -G660 although compatible with all types of Portland cement including SRC, may perform differently with variations in cement producers and cement chemical composition.</li></ul>
<b>Dispensing</b>	<ul style="list-style-type: none"><li>▪ Sikament® -G660 can be added separately to the freshly mixed concrete or directly to the mixing water prior to its addition to the aggregates.</li><li>▪ When added separately to the freshly mixed concrete, further mixing should take place for at least one minute per cubic meter.</li><li>▪ Automatic and accurate dispensing equipment is available from Sika®.</li></ul>

## 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.

## 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.

## ECOLOGY, HEALTH AND SAFETY

- **Ecology**  
Contain and collect with absorbent materials and dispose of in accordance with current local or national regulations.
- **Transport**  
Non-hazardous.
- **Safety Precautions**  
Contains material, which may in certain cases cause skin irritation: Cleanliness is required.  
In case of skin contact, wash thoroughly with soap and water: In case of eye contact, flush with water for 15 minutes, contact a Physician: wash clothing before re-use.
- **Toxicity**  
Non-Toxic under relevant health and safety codes.

## LEGAL NOTES

The information, and, in particular, the recommenda-

tions 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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Product Data Sheet  
Sikament® G-660  
May 2016, Version 01.01  
021302011000000919

SikamentG-660-en-EG-(05-2016)-1-1.pdf

