

# PRODUCT DATA SHEET

## Sikament<sup>®</sup>-550M

### MID-RANGE WATER REDUCING/SUPERPLASTICISING ADMIXTURE

#### DESCRIPTION

A mid-range water reducing/superplasticising admixture for providing substantial water reduction and good workability retention for the production of high performance concrete.

#### USES

Sikament<sup>®</sup>-550M is used in the production of concrete in :

- Applications that require high quality concrete
- Applications that require improved consistence retention
- High performance concrete

#### CHARACTERISTICS / ADVANTAGES

Sikament<sup>®</sup>-550M provides the following properties :

- Workability is greatly improved. Increased placeability in slender components with packed reinforcement.
- Significantly reduces risk of segregation and bleeding
- Less sensitive to variations in cement and aggregate types
- Improved cohesion properties
- Improved rheology
- Reduced mix costs

#### PRODUCT INFORMATION

<b>Chemical Base</b>	Modified Naphthalene Formaldehyde Sulfonate	
<b>Packaging</b>	200 litre drum 1 000 litre bulk	
<b>Appearance / Colour</b>	Dark brown Liquid	
<b>Shelf Life</b>	Minimum 1 year if stored in original unopened container	
<b>Storage Conditions</b>	Dry, cool, shaded place	
<b>Density</b>	at +20 °C	1.18 – 1.21 kg/L

## APPLICATION INFORMATION

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### Recommended Dosage

Sikament®-550M can be used at the dose rate 0.35 % - 1.20 % by total weight of cementitious material depending on requirements concerning workability and strength. It is recommended that trial mixes be conducted to determine the exact dosage rate required.

#### Note :

Typical dose rate is 0.50 % - 0.60 % by weight of cementitious material for normal precast concrete application.

For more specific requirements, advice is available from our Technical Service Department to determine the usage rate for optimum results.

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### Compatibility

Sikament®-550M may be combined with the following products:

- Plastocrete series
- Plastiment series
- Sikament series
- Sika Pump
- Sika Fume
- Sika AER

Pre-trials are recommended if combinations with the above products are required.

Please consult our Technical Service Department.

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## APPLICATION INSTRUCTIONS

### DISPENSING

Sikament®-550M can be added to the mixing water prior to its addition to the aggregates or as in most cases, it can be added directly to the freshly mixed concrete.

When added directly to the freshly mixed concrete, the plasticizing effect is more pronounced.

When accidental overdosing occurs, Sikament®-550M does not entrain excessive amounts of air, however workability, risk of segregation and set retarding effect may increase

### 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 declared data and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

## 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.

## 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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