

## PRODUCT DATA SHEET

# SikaRapid® AC 122

(formerly MasterSet® AC 122)

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## SET ACCELERATING CONCRETE IMPROVING ADMIXTURE

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### DESCRIPTION

SikaRapid® AC 122 ready-to-use, liquid admixture is designed to make more uniform and predictable quality concrete while accelerating setting time and strength development.

SikaRapid® AC 122 admixture meets ASTM C 494/C 494M requirements for Type C, accelerating, and Type E, water-reducing and accelerating, admixtures.

### USES

- Fast-track concrete construction
- Non-reinforced concrete
- Lightweight concrete
- Pervious concrete
- Self-consolidating concrete (SCC)

### PRODUCT INFORMATION

<b>Packaging</b>	<ul style="list-style-type: none"><li>▪ 205 L drum</li><li>▪ Bulk delivery</li></ul>
<b>Shelf Life</b>	12 months stored in tightly sealed original drums
<b>Storage Conditions</b>	Above 0°C in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

### TECHNICAL INFORMATION

<b>Concreting Guidance</b>	Concrete containing SikaRapid® AC 122 develops higher early and ultimate strengths than plain concrete. With Type III cement or calcium chloride mixes, SikaRapid® AC 122 admixtures also increase concrete strength at all ages.
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### CHARACTERISTICS / ADVANTAGES

**Reduce water content**

Increased early and ultimate strengths.

**Accelerated setting time**

Reduced protection time in cold weather.

**High early strength**

Earlier stripping and reuse of forms for precast work. .

**Improved workability and cohesiveness**

Better concrete quality.

# APPLICATION INFORMATION

## Recommended Dosage

SikaRapid® AC 122 is used at the rate of 1,000 to 3,000 ml per 100 kg of cementitious materials. As the dosage of SikaRapid® AC 122 is increased up to 3,000 ml, acceleration of the setting time continues. This larger dosage further increases early and ultimate strengths. Consult local Sika field representatives for assistance in determining 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.

## FURTHER DOCUMENTS

The hardening rates of concretes at variable concrete and air temperatures at different dosages of SikaRapid® AC 122. Trial mixes should be made with job materials to determine the dosage required for a given degree of acceleration..

## 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.

## APPLICATION INSTRUCTIONS

### APPLICATION METHOD / TOOLS

SikaRapid® AC 122 is safe for use with standard precautions followed in the construction industry, such as use of hand gloves, safety goggles, etc.

### APPLICATION

SikaRapid® AC 122 can be added to the concrete with the mixing water.

## 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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