

PRODUCT DATA SHEET

SikaPlast®-169 MM

MID-RANGE WATER REDUCING/PLASTICISING CONCRETE ADMIXTURE

DESCRIPTION

SikaPlast®-169 MM is a liquid admixture for concrete which is used as a mid-range water reducer/plasticizer. SikaPlast®-169MM meets the requirements of ASTM C 494 Type D & G. SikaPlast®-169MM conforms to Type G when used above 0.8% dosage, depending on cement type used.

USES

- SikaPlast®-169 MM is a unique product that is suitable to produce ready mixed concrete
- Applications that require high quality concrete
- Applications that require improved consistency retention
- Highly efficient concrete

FEATURES

- Mid-range water reductions resulting in higher strengths
- Flexible applications such as WRA and HRWR
- Less sensitive to variations in cement and aggregate types
- Improved cohesion properties
- Improved early and ultimate strengths
- Improved durability
- Reduced segregation and bleeding
- Reduced drying shrinkage

PRODUCT INFORMATION

Composition	Modified Poly Carboxylate in water
Packaging	200L / 1000L
Appearance and colour	Liquid / Dark brown
Shelf life	12 months if stored properly in original unopened packaging
Storage conditions	Stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +30 °C.
Density	1.04–1.07 kg/l (At 25 °C)
pH-Value	4.0–7.0 (At 25 °C)

TECHNICAL INFORMATION

Concreting guidance	<p>Concrete placing: With the use of SikaPlast®-169 MM , concrete of highest quality is being produced, however state of the art concrete technology, such as mixing, placing vibrating and curing must be respected and applied.</p> <p>Curing: Effective measures for concrete curing must be followed.</p>
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Specific advice

SikaPlast®- 169 MM is added to the gauging water prior to its addition to the dry mix or added separately to the wetted concrete mix. For optimum utilization of the ultra high-range water reducer we recommend a minimum wet mixing time of 60 seconds. When adding the balance of the batching water to adjust concrete consistency this should be done after a minimum of 2/3 of the wet mixing time to avoid surplus water in the concrete.

APPLICATION INFORMATION

Recommended dosage

0.5–2.2 L per 100 kg of cement/binder
Typical 0.8–1.2 L per 100 kg of cement/binder

Compatibility

SikaPlast®-169 MM may be combined with all Sika® Aer, Sika®Pump, Sikacrete® PP-1 products, but must be added separately to the mix and not premixed prior its addition. SikaPlast®-169 MM is not compatible with all admixtures of Sikament® series.

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.

FURTHER DOCUMENTATION

Overdosing will result in increased workability and setting time of the Concrete, however, provided that curing is effective, ultimate concrete strength and properties will not be affected. Accurate dispensing equipment can be supplied by Sika Myanmar Limited, Use an appropriate concrete mixer and do not mix by hand, Trial mixes are recommended to establish exact dosage rates required to suit individual requirements, Please contact Sika Technical Department for further assistance.

ECOLOGY, HEALTH AND SAFETY

Protective Measures: Avoid prolonged contact with skin, wash off thoroughly with soap water. In case of contact with eyes or mouth, rinse immediately with clean warm water and seek medical attention without delay. Avoid contact with food stuff and utensils.

Ecology/ Waste disposal: Do not dispose into water or soil, but according to local regulations.

Transportation class: Non-hazardous

Toxicity:Non-toxic

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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