

## PRODUCT DATA SHEET

# SikaPlast®-208 LK

### PCE BASED SUPERPLASTICIZING AND SET RETARDING CONCRETE ADMIXTURE

## DESCRIPTION

SikaPlast®-208 LK is a 3rd generation PCE based high performance superplasticizer for producing soft consistency concrete. SikaPlast®-208 LK meets the requirements of EN 934 - 2 and ASTM C 494 Type D & G.

## USES

SikaPlast®-208 LK is mainly suitable for the manufacture of concrete at RMC plants and site batch concrete. SikaPlast®-208 LK is used for the following types of concrete:

- Big diameter and/or deep bored piles
- Barrette foundations, diaphragm walls, caissons and girders
- Large and thick slabs
- Mass pour and Commercial Concrete
- Columns and walls

## CHARACTERISTICS / ADVANTAGES

SikaPlast®-208 LK combines different modes of actions. By adsorption on the surface of the fines and keeping them apart while the hydration is in progress, SikaPlast®-208 LK effects the following concrete properties:

- Long slump retention and mid-range water reduction
- High flowability (considerably reduced placing and compacting work)
- Workability can be maintained up to 3 - 4 hours (depending on admixture dosage, cement type, ambient temperature)
- Improved creep and shrinkage resistance characteristics
- When used at higher dosages, SikaPlast®-208 LK can give extended working time.

SikaPlast®-208 LK contains no chlorides or other corrosion-inducing substances and can therefore be used without any restrictions for reinforced concrete structures.

## PRODUCT INFORMATION

<b>Composition</b>	Modified Polycarboxylate in water
<b>Packaging</b>	1000 L IBC
<b>Appearance / Colour</b>	Liquid / brownish colour
<b>Shelf life</b>	12 months if stored properly in original unopened packaging
<b>Storage conditions</b>	Stored in dry conditions, protected from direct sunlight and at temperatures between +5°C and +40°C.
<b>Density</b>	1.11 ± 0.03 kg/litre.
<b>pH-Value</b>	5.00 ± 1
<b>Recommended dosage</b>	0.5 - 2.0 ltr per 100 kg of cement

<b>Compatibility</b>	SikaPlast -208 LK may be combined with all Plastocrete , Sika Aer, Sika® Pump, Sikacrete PP-1 products, but must be added separately to the mix and not pre-mixed prior to its addition. SikaPlast -208 LK is compatible with all portland cement types.
<b>Dispensing</b>	SikaPlast®-208 LK is added to the gauging water prior to its addition to the dry mix or added separately to the wetted concrete mix. For optimum utilisation of the 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.
<b>Restrictions</b>	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. 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.

## 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.

## 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

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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