

# PRODUCT DATA SHEET

## SikaPlast®-208 R

### HIGH RANGE WATER-REDUCING ADMIXTURE FOR EARLY STRENGTH CONCRETE

#### DESCRIPTION

SikaPlast® -208 R is a 3rd generation PCE based high performance superplasticizer for producing soft consistency concrete.

SikaPlast®-208 R meets the requirements of EN 934 - 2 and ASTM C 494 Type E,

#### USES

SikaPlast® - 208 R is used as a superplasticiser in the production of free flowing concrete for:

- All precast concrete
- Slabs and foundations
- Walls, columns and piers
- High strength concrete
- High durability concrete (low w/c ratio)
- High strength and durable precast products

#### CHARACTERISTICS / ADVANTAGES

SikaPlast®-208 R 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 R effects the following concrete properties:

- High - range water reduction
- High flowability (considerably reduced placing and compacting work)
- Improved creep and shrinkage resistance characteristics
- When used at higher dosages, SikaPlast®-208 R can give extended working time.
- SikaPlast -208 R contains no chlorides or other corrosioninducing substances and can therefore be used without any restrictions for reinforced concrete structures.
- High early strengths for precast or early stripping As a water - reducer

#### PRODUCT INFORMATION

<b>Composition</b>	Modified poly carboxylate in water
<b>Packaging</b>	1000 L IBC tank
<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>Appearance and colour</b>	Liquid / dark brown
<b>Density</b>	1.13 ± 0.02 kg/litre.
<b>pH-Value</b>	5.00 ± 1
<b>Recommended dosage</b>	0.5 - 2.0 ltr per 100 kg of cement

## Dispensing

SikaPlast®-208 R 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.

## Compatibility

SikaPlast -208 R 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 R is compatible with all portland cement types.

## 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.

Sika Lanka (Private) Limited

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Sri Lanka



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