

## PRODUCT DATA SHEET

# Sika® Plastocrete®-909

### MID-RANGE WATER REDUCING CONCRETE ADMIXTURE

#### DESCRIPTION

Plastocrete® -909 is a mid-range water reducing for concrete. It is concentrated solution based on Synthetic Polymer and Modified Lignosulphonate. Effective water reduction provides substantially improvement on strength either cement saving or concrete with fly ash up to 30% replacement.

#### USES

- Suitable for high strength cost effective concrete
- Used for concrete with extended workability
- Used in mix where cement saving is required
- Suitable for concrete containing cement replacements such as Fly Ash or Slag

#### PRODUCT INFORMATION

<b>Packaging</b>	200 l/ drum 1,000 l/ tote or bulk
<b>Appearance / Colour</b>	Brown Liquid
<b>Shelf life</b>	12 months from the date of production If stored properly in undamaged, original, sealed packaging.
<b>Storage conditions</b>	Store in dry conditions, protected from direct sunlight at temperature between 5°C and 40°C.
<b>Density</b>	1.16 - 1.19 kg/ l (at temperature 25°C)
<b>pH-Value</b>	5.0 - 8.0 Approx.

#### APPLICATION INFORMATION

<b>Recommended Dosage</b>	300 - 800 cc. per 100 kg. of cement or cementitious weight. Actual dosage depends on requirements and should be established from laboratory trials. Sika® Plastocrete®-909 is compatible with all types of Portland Cement, including S.R.C. type and Hydraulic Cement.
<b>Dispensing</b>	Plastocrete® -909 is introduced into the mixer together with mixing water. The addition of Plastocrete® -909 to dry aggregate and cement is not

#### CHARACTERISTICS / ADVANTAGES

- Plastocrete® -909 provided the following properties :
- Water reduction up to 18% against control mix
  - High PFA replacement up to 30%
  - Equal strength to control mix with less cement
  - High early strength
  - Compensates for slow early strength gain achieved by cement replacements (PFA, GGBFS)
  - Increased workability with lower dosages
  - Excellent slump retention

#### APPROVALS / CERTIFICATES

Complies with ASTM C494 Type D & G

## IMPORTANT CONSIDERATIONS

Accidental overdosing of Sika® Plastocrete®-909 causes an extension of initial and final setting time.

## 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 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.

## 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 Material Safety Data Sheet 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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