

## PRODUCT DATA SHEET

## Sika® Plastiment®-230

## WATER REDUCING CONCRETE ADMIXTURE

## DESCRIPTION

Sika® Plastiment®-230 is a versatile and economical concrete plasticizer with a wide dosage range suitable for various applications. Suitable for use in tropical and hot climatic conditions.

## USES

Sika® Plastiment®-230 is used wherever high-quality structural concrete is required. Its plasticizing effect is particularly useful where :

- Exposed surfaces are important
- Maximum performance is desired
- Placing conditions are difficult
- Precast elements are produced

## FEATURES

Sika® Plastiment®-230 provides the following properties:

- Improved workability without increased water
- Reduced water without loss of workability
- Increased strengths
- Improved surface finish
- Unaffected setting times
- Reduced shrinkage and creep

## PRODUCT INFORMATION

Composition	Modified Polycarboxylate
Packaging	▪ 1000Kg IBC, 200Kg Drum, 20 Kg
Colour	Light Brown
Shelf life	12 months from date of production if stored properly in undamaged, unopened, originally sealed packaging.
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +45 °C. Always refer to packaging.
Density	1.05 g/cm <sup>3</sup> ± 0.01
pH-Value	5±1
Concreting guidance	The standard rules of good concreting practice, concerning production and placing must be followed. Laboratory trials must be carried out before concreting on site, especially when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and curing applied as early as possible

<b>Concrete mix design</b>	When using Sika® Plastiment®-230, a suitable mix design must be calculated. The local material sources used within the mix design must always be trialled and approved for suitability before commencement of the project.
<b>Recommended dosage</b>	0.4 - 3 % by weight of cement, depending on the requested performance of the concrete. Usual dosage : 0.5 - 2 % by weight of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.
<b>Dispensing</b>	Sika® Plastiment®-230 must be measured using suitable equipment then added to the batching gauging water or both added together at the same time into the batching plant concrete mixer. To achieve the optimum performance, a wet mixing time at the batching plant of at least 60 seconds is recommended (dependant on mixing conditions and mixer performance). Sika® Plastiment®-230 can also be added to the concrete immediately prior to discharge and after further mixing has taken place for at least five more minutes.
<b>Compatibility</b>	Sika® Plastiment®-230 may be combined with many other Sika products. Trials must always be carried out before combining products in specific mixes. Contact Sika Technical Services for additional information and any specific combinations.

## 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

## 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.