

## PRODUCT DATA SHEET

# SikaPlast®-3173 SCM

### Mid-Range Water Reducing Admixture

#### DESCRIPTION

SikaPlast®-3173 SCM is an advanced Mid-Range Water Reducer specifically formulated to produce concrete with high volume of supplementary cementitious materials (SCM), such as Fly Ash and/or ground granulated blast slag.

#### USES

- High volume Fly Ash and/or slag concrete
- Durable concrete
- Concrete with manufactured sand or challenging aggregates

#### CHARACTERISTICS / ADVANTAGES

Use of SikaPlast®-3173 SCM effectively achieves the following benefits:

- Reduced carbon footprint of concrete when used in high SCM mixtures
- True Neutral Set characteristics, which makes it ideal for use as an all year round admixture and in combination with set retarders and accelerators
- Improved shrinkage and creep behaviour.
- Improved plastic concrete properties.
- High range of target slump (100-200 mm)
- Optimal concrete performance
- User friendly, improves the robustness of the mix

#### PRODUCT INFORMATION

<b>Packaging</b>	Bulk delivery 1000 litre IBC 10 litre container
<b>Shelf life</b>	12 months from the production date
<b>Storage conditions</b>	Store SikaPlast®-3173 SCM at temperature between 5°C and 35°C, protected from direct sunlight.
<b>Density</b>	1.05 g/cm <sup>3</sup>
<b>Recommended dosage</b>	Typical dosage rate is 400 – 1200 ml per 100 kg of total cementitious material. Optimum dosage depends on the type of concrete, site conditions, mix proportions, ingredients and desired plastic and hardened concrete properties. Laboratory and/or field trials are essential in determining the optimum dosage.
<b>Dispensing</b>	For best plasticizing results, SikaPlast®-3173 SCM should be added directly to freshly mixed concrete in the concrete mixer or Ready-Mix truck. SikaPlast®-3173 SCM may also be dispensed into the initial batch water. To optimize the superplasticizing effect, Sika recommends that the combined materials be mixed for 80–100 revolutions after the addition of SikaPlast®-3173 SCM, either in the concrete mixer or in the Ready-Mix truck.

## 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.

## 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

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product 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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