

## PRODUCT DATA SHEET

# Sika® Plastomix®-705

### Mid-range Water Reducing Concrete Admixture

#### DESCRIPTION

Sika® Plastomix®-705 is a newly developed admixture for concrete with midrange reducing effect. It is concentrated solution based on Synthetic Polymer and additives.

#### USES

- Cost effectiveness required for conventional concrete
- Where increased workability is required
- Use in mixes where cement saving is required
- Especially suitable for concrete containing cement replacements such as PFA (fly ash) or GGBFS (slag)

#### PRODUCT INFORMATION

<b>Packaging</b>	200 L/drum 1,000 L/tote or bulk
<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 and cool conditions, protected from direct sunlight at temperature between 5°C and 40°C
<b>Appearance and colour</b>	Light Brown Liquid
<b>Density</b>	1.060 - 1.100 kg/L (at temperature 25°C)
<b>pH-Value</b>	8.0 - 10.0 Approx.

#### CHARACTERISTICS / ADVANTAGES

- Water reduction up to 15% against control mix
- Improved utilization of cement
- Equal strengths to control mix with less cement
- Better improvement for final strength
- Compensates for slow early strength gain achieved by cement replacements (PFA,GGBFS)
- Increased workability and placeability
- Longer slump retention

#### APPROVALS / CERTIFICATES

- Complies with ASTM C494 - 81 Type A & D

# 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.
<b>Dispensing</b>	Add the correct amount of Sika® Plastomix®-705 at the concrete plant. Addition should be by automatic dispenser into the water line at the batching plant. Do not add directly on to the dry sand or cement.
<b>Compatibility</b>	Sika® Plastomix®-705 is compatible with all types of Portland Cement, including S.R.C. type and Hydraulic Cement.

## 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.

## IMPORTANT CONSIDERATIONS

Accidental overdosing of Sika® Plastomix®-705 causes an extension of initial and final setting time.

## 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.

## 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.

## 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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