

PRODUCT DATA SHEET

SikaPlast[®]-300 E

Mid-range water reducing admixture with superior slump retention

DESCRIPTION

SikaPlast[®]-300 E has been designed to provide both water reduction and excellent slump-keeping properties. SikaPlast[®]-300 E improves the rheology and pumpability of concrete produced using manufactured sand.

USES

SikaPlast[®]-300 E is used for:

- Production of pre-mixed concrete to facilitate improved strengths, durability or economy.
- Long-distance concrete delivery.
- Production of concrete for use in extended pumping or placing operations.
- Production of concrete made with manufactured or poorly-shaped natural sands.
- Piling mixtures.

FEATURES

- Water reduction, leading to improved strength and durability of the hardened concrete.
- Significant improvement in the slump-keeping ability of fresh concrete. This reduces the risk of rejected loads due to premature slump loss and maintains concrete workability for extended pumping or placing requirements.
- Improvement in pumpability of concrete made using manufactured sand.
- Facilitates an increase in the percentage of manufactured or poor-quality natural sand in the concrete.
- Delivers softer concrete.

PRODUCT INFORMATION

Composition	SikaPlast [®] -300 E is an aqueous solution of selected modified polycarboxylates.
Packaging	<ul style="list-style-type: none">▪ Bulk deliveries▪ 1000 litre IBC
Shelf life	Stored at temperature between 5°C and 35°C, in unopened original containers protected from direct sunlight and frost, shelf life is 12 months.
Storage conditions	Store SikaPlast [®] -300 E at temperature between 5°C and 35 °C, protected from direct sunlight.
Appearance and colour	Clear liquid.
Density	1.04 kg/l approximately.
Recommended dosage	Typical dosage for general concrete production is between 300 to 800 ml/100 kg of total binder content. Optimum dosage depends on site conditions, mix ingredients, and desired plastic and hardened concrete properties. Laboratory and field trials shall be conducted to determine the required dosage of SikaPlast [®] -300 E.

Dispensing

SikaPlast®-300 E should be added with the initial batch water. Never add to dry mix. For best results we recommend thorough mixing of the wet concrete for at least 60 seconds per cubic metre.

Compatibility

SikaPlast®-300 E is compatible with all Sika concrete admixtures, except for Sikament® NN.

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.

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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Product Data Sheet

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