

PRODUCT DATA SHEET

SikaPlast®-248

Water Reducing/Plasticising Concrete Admixture

PRODUCT DESCRIPTION

SikaPlast®-248 is a liquid admixture for concrete which is used as a water reducer/plasticiser. It meets the requirement of BS EN 934 -2.

USES

- SikaPlast®-248 is a unique product that is suitable for the production of ready mixed concrete
- Applications that require high quality concrete
- Applications that require improved consistence retention
- Utilisation of crushed rock fines in concrete
- Highly efficient concrete

CHARACTERISTICS / ADVANTAGES

- Water reductions resulting in higher strengths and densities
 - Flexible application
 - Less sensitive to variations in cement and aggregate types
 - Improved cohesion properties
 - Improved early and ultimate strengths
 - Improved rheology
 - Improved durability
 - Reduced segregation and bleeding
 - Reduced drying shrinkage
 - Reduced mix costs
- * Compared to concrete without admixture

APPROVALS / STANDARDS

Conforms to the requirements of BS EN 934-2
Tables 3.1 & 3.2
DoP 00003287, certified by Factory Production Control Body 0086, Certificate 541325, and provided with the CE mark

PRODUCT INFORMATION

Chemical Base	Modified polycarboxylate
Packaging	20 L drum, 1000 L IBC
Appearance / Colour	Blue liquid
Shelf Life	12 months from date of production if stored properly in undamaged containers.
Storage Conditions	Store at temperatures between +5°C and +25°C. Protect from moisture, direct sunlight and frost.
Total Chloride Ion Content	<0.1%
Equivalent Sodium Oxide	<1.2 % w/w (alkali content)
Specific gravity	1.08 kg/L

TECHNICAL INFORMATION

Effect on Setting	Higher dosages can lead to extended setting time and increased workability.
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APPLICATION INFORMATION

Recommended Dosage	0.2-0.8 % by weight of binder
Compatibility	SikaPlast®-248 is compatible with all Sika admixtures and cement types, although trials are always recommended.
Dispensing	SikaPlast®-248 should be dispensed through suitable calibrated dosing equipment.

VALUE BASE

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

REGULATION (EC) NO 1907/2006 - REACH

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

- The standard rules of good concreting practice, concerning production as well as placing, are to be followed. Refer to relevant standards. Fresh concrete must be cured properly.
- SikaPlast®-248 should not be added to dry cement and should be added with the mixing water

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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