

PRODUCT DATA SHEET

SikaPlast®-240

WATER REDUCING CONCRETE ADMIXTURE WITH WORKABILITY RETAINING TECHNOLOGY

DESCRIPTION

SikaPlast®-240 is a liquid high-range water reducing and workability retaining admixture for concrete that requires extended workability.

SikaPlast®-240 is suitable for use in concrete mixes incorporating pozzolanic materials such as GGBS, PFA and microsilica.

USES

- Ready mixed concrete
- High flow concrete
- Concrete with high water reduction
- High strength concrete
- Slabs
- Foundations
- Walls
- Columns and piers
- Piles
- Pre-stressed concrete
- Bridges and cantilever structures

FEATURES

- Extended slump retention
- Less sensitive to variations in cement and aggregate types
- Improved cohesion properties
- Improved early and ultimate strengths
- Improved rheology and durability
- Reduced drying shrinkage

CERTIFICATES AND TEST REPORTS

SikaPlast®-240 follows the requirements of ASTM C494; Type F & G and EN 934-2

PRODUCT INFORMATION

Composition	Modified polycarboxylate in aqueous solution
Packaging	1000 litre IBC, and Bulk.
Colour	Colourless to brown color liquid
Shelf life	12 months from date of production if stored properly in undamaged containers.
Storage conditions	Store in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.
Density	Density ~1.045 kg/l (+25 °C)
pH-Value	3 - 7

TECHNICAL INFORMATION

Concreting guidance	The standard rules of good concreting practice for production and placing must be observed when using SikaPlast®-240 in concrete. Refer to relevant standards. Fresh concrete must be cured properly especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika® Anti-sol® products as a curing agent or apply wet hessian.	
Chloride content	Nil	(BS EN 934-2)
Recommended dosage	0.6 - 2.1 % by weight of binder depending on the mix design, raw materials, climatic conditions and concrete requirements. Trial mixes must be performed to establish the exact dosage rate required.	
Compatibility	SikaPlast®-240 may be combined with all types of Portland cement (OPC and SRC), concretes containing pozzolanic materials such as; GGBS, PFA, micro-silica and the following Sika products: ▪ SikaPump® ▪ Sika® FerroGard® ▪ SikaFume® ▪ SikaFiber® ▪ Sika® Plastiment ▪ Sika® Stabilizer ▪ Sika®- Control ▪ Sika® WT-10 We recommend to perform trial mixes to establish the required performance when combining SikaPlast®-240 with the above products or other admixtures. Please consult Sika Technical Department for further assistance.	

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

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.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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ISO 9001, 14001, 45001 – SGS:
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- Sika International Chemicals LLC
- Sika Gulf B.S.C. (c)
ISO 9001, 14001 – SGS:
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV:
- Sika UAE LLC (Branch)
ISO 9001 – SGS:
- Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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