

PRODUCT DATA SHEET

SikaControl®-730 S WT

(formerly MLife WP 730S)

Hydrophobic pore-blocking admixture for watertight concrete production

DESCRIPTION

SikaControl®-730 S WT is a hydrophobic poreblocking admixture for concrete. It significantly reduces water absorption of concrete through its pore-blocking and hydrophobic actions.

SikaControl®-730 S WT reacts with the cement hydration process to form a hydrophobic ingredient to reduce the capillary suction and prevent the ingress of potentially deleterious soluble material, resulting in concrete with enhanced durability. Suitable for use in hot and tropical climatic conditions.

USES

SikaControl®-730 S WT is completely suited to most types of concrete. SikaControl®-730 S WT is used for:

- Basement walls and floors
- Tunnels / underpass
- Foundations, piles and pile caps
- Water retaining structures, swimming pool, water tanks, reservoirs, water towers

TECHNICAL INFORMATION

Concreting guidance

With the use of SikaControl®-730 S WT, the standard rules of good concreting practice (production as well as placing) must be observed. Fresh concrete must be cured properly, especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika® Antisol® products as a curing agent or apply wet hessian.

- Land drainage, manholes
- Reinforced concrete in marine environment subject to tidal and wet / dry cycling
- Waste water treatment and desalination plant

FEATURES

SikaControl®-730 S WT waterproof admixture in concrete has the following advantages:

- Improves significantly concrete water impermeability
- Improves concrete durability
- Reduces ingress of sulfates and carbonation
- Reduces leaching
- Chloride free
- Ammonia Free

CERTIFICATES AND TEST REPORTS

SikaControl®-730 S WT follows the requirements of EN 934-2 Table 9

PRODUCT INFORMATION

Composition	Specialty selected chemical composition
Packaging	Drums and 1,000 L flowbins
Shelf life	9 months from date of production if stored properly in original unopened packaging
Storage conditions	Store in a dry area between 5°C and 35°C. Protect from direct sunlight.
Appearance and colour	White liquid
Density	~1.0 kg/l (+23°C)
Total chloride ion content	Nil (EN 934-2)

APPLICATION INFORMATION

Recommended dosage	0.5 – 2.0 litres per 100 kg cement. However, the optimum dosage to meet project requirements must be determined through trial mixes.
Dispensing	<p>SikaControl®-730 S WT should be added directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle or along with the mix water. The concrete should be mixed thoroughly until a homogenous concrete mix is produced.</p> <p>Recommended minimum cement content is 380 kg/m³ including PFA, GGBS, and Silicafume</p> <ul style="list-style-type: none">▪ Recommended water/cement ratio <0.45▪ SikaControl®-730 S WT has no significant water reducing or slump keeping properties▪ Do not add SikaControl®-730 S WT to dry cement.
Compatibility	<p>SikaControl®-730 S WT is suitable for mixes containing all types of cement including Sulphate Resistant Cement (SRC) and supplementary cementitious materials such as Microsilica (Silica Fume), Fly Ash (PFA), GGBS (ground granulated blast furnace slag), all normal types of retarders, plasticizers and superplasticisers and the following Sika products: SikaPlast®, Sika® ViscoCrete®, Sikament®, Plastiment®, SikaPump®, Sika® FerroGard®</p> <p>We recommend to perform trial mixes to establish the required performance when combining SikaControl®-730 S WT with the above products or other admixtures. Please consult our Sika Technical Department.</p>

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.

IMPORTANT CONSIDERATIONS

When using SikaControl®-730 S WT a suitable mix design must be selected and local material sources should be trialed.

SikaControl®-730 S WT must not be added to dry cement.

Before pouring, suitability tests on the fresh concrete must be carried out due to the extended workability, take special care that formwork is properly installed and secured.

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.

Sika Gulf B.S.C. (c)

Tel: +973 177 38188
Email: info@bh.sika.com
Sika Kuwait Cons. Mat. & Paints Co WLL
Tel: +965 22 282 296
Email: sika.kuwait@kw.sika.com
Web: gcc.sika.com

Sika UAE LLC

Sika MB Construction Chemicals LLC
Sika International Chemicals LLC
Tel: +971 4 439 8200
Email: info@ae.sika.com
Web: gcc.sika.com

Sika Saudi Arabia Limited

Sika Construction Chemicals for
Manufacturing LLC
Riyadh / Jeddah / Dammam / Rabigh
Tel: +966 12 692 7079
Email: info@sa.sika.com
Web: gcc.sika.com

Sika LLC - Oman

Master Builders Solutions LLC
(part of Sika)
Tel. +968 22 826 500
Email: info@om.sika.com
Web: gcc.sika.com



ISO 9001, 14001, 45001 – SGS
- Sika UAE LLC
- Sika International Chemicals LLC
- Sika Gulf B.S.C. (c)
- Sika MB Construction Chemicals for Manufacturing LLC
- Sika MB Construction Chemicals for Manufacturing LLC
- Master Builders Solutions 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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