

PRODUCT DATA SHEET

SikaControl®-730 WT OM

Hydrophobic pore-blocking ingredient for watertight concrete

DESCRIPTION

SikaControl®-730 WT OM is a hydrophobic pore-blocking ingredient (H.P.I.) for concrete. It significantly reduces water absorption of concrete.

SikaControl®-730 WT OM is a chloride free organic admixture and supplied as a clear to slightly cloudy liquid. It 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 WT OM is suitable for most concrete structure, that are subjected to water pressure and dampness from internal or external sources such as:

- Basement walls and floors
- Tunnels / underpass

- Foundations, piles and pile caps
- Water retaining structures, swimming pool, water tanks, reservoirs, water towers
- Land drainage, manholes
- Reinforced concrete in marine environment subject to tidal and wet / dry cycling
- Waste water treatment and desalination plant

FEATURES

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

- Low water absorption - Increased durability and water tightness.
- Integral system - Protection is maintained throughout the concrete matrix.
- Ammonia free - Environment friendly. Fully compatible with certain surface coating and finishes.

CERTIFICATES AND TEST REPORTS

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

PRODUCT INFORMATION

Composition	Specialty selected chemical composition
Packaging	Drums, or in 1000 litre IBCs
Appearance and colour	Clear to slightly cloudy liquid
Shelf life	12 months from date of production if stored properly
Storage conditions	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +35 °C. Protect from direct sunlight.
Density	~1.00 kg/l (+25 °C)
Total chloride ion content	Nil (EN 934-2)

TECHNICAL INFORMATION

Concreting guidance

The standard rules of good concreting practice for production and placing must be observed when using SikaControl®-730 WT OM 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® Antisol® products as a curing agent or apply wet hessian.

APPLICATION INFORMATION

Recommended dosage

1.0 - 2.0 % by weight of binder.
Other dosages by weight of binder may be used 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

SikaControl®-730 WT OM may be combined with all types of Portland cement, concretes containing pozzolanic materials such as: GGBS (Ground Granulated Blast Furnace Slag), Fly Ash (PFA), Micro Silica (Silica Fume) and the following Sika product ranges / admixtures:
Sika® Plasticisers: Sika® ViscoCrete®, SikaPlast®, Sikament®, Sika® Plasti-ment®, SikaFiber®, Sika® Aer, SikaPump®, Sika® FerroGard®, SikaControl®. We recommend to perform trial mixes to establish the required performance when combining SikaControl®-730 WT OM with the above or other admixtures.
Please consult our Sika Technical Department.

Dispensing

SikaControl®-730 WT OM is added separately to the initial batching water to ensure complete distribution throughout the mix.
Do not add SikaControl®-730 WT OM directly to the dry mix. Optimal result is obtained if SikaControl®-730 WT OM is poured into the concrete mix right after the addition of the first 80 % of the mixing water, i.e. when all solids are wetted.

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

- Do not use seawater, bore water or water containing a high dissolved mineral content, for mixing concrete.
- Before pouring suitability tests on the fresh concrete must be carried out.
- When using SikaControl®-730 WT OM a suitable concrete mix must be designed for the local material sources and trial mixes performed to verify suitability.
- SikaControl®-730 WT OM should not be pre-mixed with other admixtures. Admixtures used in concrete containing SikaControl®-730 WT OM must be dispensed separately.

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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