

## PRODUCT DATA SHEET

# SikaControl®-730 WT

(formerly MasterLife® WP 730)

Hydrophobic pore-blocking ingredient for watertight concrete

### DESCRIPTION

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

**SikaControl®-730 WT** 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.

### USES

SikaControl®-730 WT is suitable for any concrete structure, which requires water tightness, 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.

### CHARACTERISTICS / ADVANTAGES

- **Very low water absorption** - Increased durability and water tightness.
- **Integral system** - Protection is maintained through out the concrete matrix.
- **Ammonia free** - Environment friendly. Fully compatible with certain surface coating and finishes.

### APPROVALS / STANDARDS

EN 934-2: Table 9

### PRODUCT INFORMATION

<b>Product Declaration</b>	Water absorption at 7 days (BS 1881 : 122) <1%
<b>Packaging</b>	SikaControl®-730 WT is available in 210 litre drums, 1000 litre IBCs or in bulk.
<b>Shelf Life</b>	SikaControl®-730 WT can be kept for 12 months from date of manufacture if stored correctly.
<b>Storage Conditions</b>	SikaControl®-730 WT must be stored in a well protected area away from sunlight, at ambient temperature in dry conditions.
<b>Appearance / Colour</b>	Clear to slightly cloudy
<b>Density</b>	1.000 -1.030
<b>Total Chloride Ion Content</b>	"chloride-free" to EN 934-2

# TECHNICAL INFORMATION

## Curing Conditions

Like all cementitious products, concrete made with SikaControl®-730 WT must be protected against rapid drying due to high temperature and / or strong wind.

The use of wet hessian, plastic sheets or a curing compound is highly recommended.

# SYSTEM INFORMATION

## Compatibility

SikaControl®-730 WT should not be pre-mixed with other admixtures. Sika Plastiment, SikaPlast or Sika ViscoCrete admixtures used in concrete containing SikaControl®-730 WT must be dispensed separately. Consult the Sika Technical Services Department for advice.

# APPLICATION INFORMATION

## Recommended Dosage

The optimum dosage for SikaControl®-730 WT to meet a specific requirement should always be determined by trial mixes. Typical dosage rate is: **1.0 to 2.0 litres per 100kg of cement.** Other dosages may also be used depending on the specific requirements. Consult local Sika field representative for assistance in determining dosage.

## Dispensing

SikaControl®-730 WT should be added separately to the initial batching water to ensure complete distribution throughout the mix. Use only drinkable water - do not use seawater, bore water or water containing a high dissolved mineral of content, for mixing concrete.

# 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 health, safety and environmental recommendations, please consult and follow all instructions on the product Safety Data Sheet (SDS).

# LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

# 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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