

MasterLife[®] WP 730 (Formerly known as Rheomac 730)

Hydrophobic pore-blocking ingredient for watertight concrete

DESCRIPTION

MasterLife WP 730 is a hydrophobic pore-blocking ingredient (H.P.I.) for concrete. It significantly reduces water absorption of concrete.

MasterLife WP 730 is a chloride free organic admixture and supplied as a colourless, clear to slightly cloudy viscous 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

MasterLife WP 730 is suitable for any concrete structure, which requires watertightness, 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 AND BENEFITS

Very 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

PACKAGING

MasterLife WP 730 is available in 210 litre drums.

PROPERTIES

Supply form	Liquid
Colour	Colourless, clear to slightly cloudy
Chloride content	"chloride-free" to EN 934-2
Water absorption at 7 days (BS 1881 : 122)	<1%

STANDARDS

EN 934-2 Table 9

DISPENSING

MasterLife WP 730 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.

DOSAGE

The optimum dosage for **MasterLife WP 730** 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 BASF field representative for assistance in determining dosage.

CURING

Like all cementitious products, concrete made with **MasterLife WP 730** 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

SHELF-LIFE

MasterLife WP 730 can be kept for 12 months from date of manufacture if stored in well protected area away from sunlight, at ambient temperature in dry conditions.



We create chemistry

MasterLife[®] WP 730 (Formerly known as Rheomac 730)

COMPATABILITY

MasterLife WP 730 should not be pre-mixed with other admixtures. **MasterPozzolith**, **MasterRheobuild** or **MasterGlenium** admixtures used in concrete containing **MasterLife WP 730** must be dispensed separately. Consult BASF Technical Services Department for advice.

PRECAUTIONS

For health, safety and environmental Recommendations, please consult and follow all instructions on the Material Safety Data Sheet.

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

QUALITY AND CARE

All products manufactured by BASF Egypt, or imported from BASF affiliate companies world-wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

® = Registered trademark of the BASF-Group in many countries.

BASF-CC, Egypt
Business Park A, Building A1,
Cairo Festival City, Ring Road
New Cairo, Egypt
Factory: Sadat City, Piece 118
Zone 4
Tel.: +2 25980800
Tel.: +2 012 393 98 44
Fax: +2 25980801
Tel.: +2048 2658107/8
Fax: +2048 2658106

website: www.master-builders-solutions.basf.com.eg

As all BASF technical datasheets are updated on a regular basis, it is the user's responsibility to obtain the most recent issue. Most recent issue is available on the website at www.master-builders-solutions.basf.com.eg

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

BASF_CC-EG/Life_WP730_07_03/v1/06_14

ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS
Certification

