

# MasterLife® WP 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
Specific Gravity: 1.020-1.030
pH:12-14
Chloride content: "chloride-free" to EN 934-2
Water absorption at <1% 7 days (BS 1881:122)

## 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 Master Builders Solutions 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.

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## 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 Master Builders Solutions 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 Master Builders Solutions representative.

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

## QUALITY AND CARE

All products manufactured by Master Builders Solutions Egypt, or imported from Master Builders Solutions affiliate companies world-wide, are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

\* Properties listed are based on laboratory controlled tests.

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