

MasterLife[®] WP 740

Integral Concrete Waterproofing Admixture Powder

DESCRIPTION

MasterLife WP 740 is based on hydrophobic pore-blocking and waterproofing ingredients. It reduces concrete water absorption and permeability.

MasterLife WP 740 is a chloride free organic admixture supplied as an off-white powder. It reacts with the cement hydration process to form a hydrophobic ingredient to reduce the capillary suction and prevent the ingress of potentially deleterious water soluble materials resulting in concrete with enhanced durability.

TYPICAL APPLICATIONS

MasterLife WP 740 is suitable for concrete structure, requiring 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
- Reinforced concrete in marine environment subject to tidal and wet / dry cycling
- Waste water treatment and desalination plant

ADVANTAGES

Integral system	Protection is maintained throughout the concrete matrix
Ammonia free	Environment friendly Compatible with most surface coatings and finishes

PACKAGING

MasterLife WP 740 is available in 8 kg paper sacks.

STANDARDS

ASTM C494 Type S, EN 934-2

TYPICAL PROPERTIES*

Supply form	Powder
Colour	Off White
Chloride content	“chloride-free” to EN 934

APPLICATION GUIDELINES

The optimum dosage for **MasterLife WP 740** to meet a specific requirement should always be determined by trial mixes.

Typical dosage is 1.0 to 2.0 kg per 100kg of cementitious material. Other dosages may also be used depending on the specific requirements.

Consult local Master Builders Solutions field representative for assistance in determining dosage.

MIXING

MasterLife WP 740 is compatible and generally used in combination with admixtures from the **MasterPozzolith**, **MasterRheobuild** or **MasterGlenium** product ranges.

MasterLife WP 740 is compatible with all types of Portland Cement and cementitious materials such as Fly Ash, GGBS and Micro Silica.

DISPENSING

The required quantity of **MasterLife WP 740** should be accurately measured and added during the mixing process either manually or mechanically either to the aggregates or directly to the mixer.

CURING

Like all cementitious products, concrete made with **MasterLife WP 740** must be protected against rapid drying due to high temperature and / or strong wind. The use of wet hessian, plastic sheets or a Masterkure curing compound is highly recommended.

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STORAGE AND SHELF LIFE

MasterLife WP 740 can be kept for 24 months from date of manufacture if sacks are unopened and stored in a protected area under dry conditions.

HEALTH AND SAFETY

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

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

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NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by Master Builders Solutions either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Master Builders Solutions, are responsible for carrying out procedures appropriate to a specific application.

Master Builders Solutions
Construction Chemicals LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800
www.master-builders-solutions.com/en-ae



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