

MasterLife WP 701

Water resisting plasticizer admixture for concrete

DESCRIPTION

MasterLife WP 701 is a concrete admixture that improves concrete's impermeability against capillary water absorption and reduces concrete's mixing water with limited air entrainment.

FIELDS OF APPLICATION

- Concrete subjected to water pressure
- Below ground construction
- Retaining walls
- Water retaining structures
- Concrete walls and slabs
- Precast wet or dry concrete

FEATURES and BENEFITS

MasterLife WP 701 offers the following benefits:

- Improves impermeability against capillary water absorption compared to concrete without admixture.
- Improves permanency by reducing water / cement ratio without decreasing workability.
- Reduces segregation and bleeding.
- Enables easy setting and pumpability of concrete.
- Makes it easier to obtain surface finish.
- MasterLife WP® 701 does not contain chloride.

DOSAGE

The normally recommended dosage rate of MasterLife WP 701 is approximately:

- **By Weight** - 0.5 to 0.8 kg per 100 kg of cement (binder) content.

The dosage rates given above are for typical usages, they are not meant as absolute limits, as other dosages may be utilized in special cases according to specific job conditions. If required consult Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd.Şti Technical Services Department for advice. Trial mixes should be carried out to ensure optimum

dosage and effect. Where the concrete is to be machine finished by utilizing power float or power trowelling methods, we recommend that you contact with Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd.Şti Technical Services Department for dosage rate guidance.

APPLICATION PROCEDURE

MasterLife WP 701 is a ready-to-use admixture to be added to the concrete as a separate component. Optimal performance is obtained if MasterLife WP 701 is dispensed into the concrete mix right after the addition of the first 80% of the mixing water, i.e. when all solids are wetted out. Avoid adding the admixture to the dry aggregates.

- In impermeable concrete production, amount of binder is also an important parameter. If MasterLife WP 701 is used in concretes with low binder, performance will be low. It is suggested to use with 350 kg/m³ binder.
- To produce impermeable concrete, concrete with low water/cement ratio (0.4-0.6) has to be used, and concrete has to have workable consistency. Concrete must be protected from shrinkage and cracks by suitable curing and maintenance.

CLEANING

Clean all equipment with water immediately after use.

PACKAGING

MasterLife WP 701 is available in bulk, 1000 kg-IBCs and 30 kg cans.

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Product Data	
Appearance	Brown
Density @ 20oC:	1.053-1.093 kg/lt
Alkali content (%):	≤ 10.0 (by mass)
Chloride content (%):	≤ 0.10 (by mass)
Corrosion behaviour	Contains only components according to BS EN 934-1:2008, Annex A.1
Dangerous substances	Comply with annex AZ.
Logistics	
Shelf life	12 months if stored according to manufacturer's instructions in unopened container.
Storage conditions	Store in original sealed containers and at temperatures between 5°C and 30°C. Store under cover, out of direct sunlight and protect from extremes of temperature. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Handling and transportation	Refer to MasterLife WP 701 Safety Data Sheet.
Disposal	Refer to MasterLife WP 701 Safety Data Sheet.

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HEALTH AND SAFETY

*For full information on Health and Safety matters regarding this product the relevant Health and Safety Data Sheet should be consulted.

The following general comments apply to all products.

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs, (which may also be tainted with vapor until the product is fully cured and dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Keep away from children and animals. Reseal containers after use.

SPILLAGE

Chemical products can cause damage; clean spillage immediately.

DISCLAIMER

"Master Builders Solutions Yapı Kimyasalları Sanayi ve Ticaret Ltd.Şti " (the Company) endeavors to ensure that advice and information given in Product Data Sheets, Method Statements and Material Safety Data Sheets (all known as Product Literature) is accurate and correct. However, the Company has no control over the selection of its products for particular applications. It is important that any prospective customer, user or specifier, satisfies him/her-self that the product is suitable for the specific application. In this process, due regard should be taken of the nature and composition of the background/base and the ambient conditions both at the time of laying/applying/installing the material and when the completed work is to be brought into use. Accordingly, no liability will be accepted by the Company for the selection, by others, of a product, which is inappropriate to a particular application. Products are sold subject to the Company's standard conditions of sale and all customers, users and specifiers, should ensure that they examine the Company's latest product literature.

CONTACT INFORMATION

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