

MasterLife WP 701

Formerer RHEOMAC 701

Waterproofing admixture. A liquid admixture for concrete to give high water resistance and water reducing properties (CE approved, EN 934-2, Table 2)

Description

A liquid admixture for concrete to give high water resistance based upon a blend of surface-active agents and refined lignosulphonate. It significantly reduces water cement ratio whilst maintaining workability without effecting compressive strength.

MasterLife WP 701 (formerer RHEOMAC 701) is effective as a permeability-reducing admixture both under conditions of pressure and capillary absorption and also has water-reducing properties. The use of MasterLife WP 701 enables all these criteria to be met due to its strong plasticizing and water reducing properties.

Fields of Application

MasterLife WP 701 (formerer RHEOMAC 701) should be used in all structural concrete that is constantly or intermittently in contact with water such as sea walls, tunnels, basements, all structural concrete.

Advantages

- Concrete containing MasterLife WP 701 is resistant to water penetration either under conditions of hydrostatic pressure or capillary absorption,
- Durability is increased due to a significant reduction in w/c ratio,
- Sulphate attack is reduced due to the sulphate bearing ground water being resisted,
- Concrete of similar workability to control mix produced with MasterLife WP 701, is easier to place
- Pumpability of concrete is greatly improved
- The surface finish of the concrete is improved

Packaging

MasterLife WP 701 is available in 1100 Kg IBC tanks, 220kg drums or 20kg cans.

Dosage

For 100kg cement, a dosage of 0,32 ~ 0,60 kg MasterLife WP 701 is recommended.

Application

MasterLife WP 701 (formerer RHEOMAC 701) should be added with the mixing water. It should never be added to the dry cement. No extension to mixing times is required. The typical result of MasterLife WP 701 is effectiveness as a permeability-reducing admixture both under conditions of pressure and capillary absorption. It can be used with complete safety with Portland (OPC) and Sulphate Resisting (SRC) cements.

Points to remember when producing waterproof concrete:

- Ensure specified water/cement ratio is not exceeded: work within the range of 0,4 to 0,58
- Keep water content as low as possible compatible with achieving full compaction.
- Protect new concrete against rapid drying out and ensure adequate and complete curing compounds

Storage

MasterLife WP 701 must be stored in a place where temperatures do not drop below 0°C. If product is frozen, thaw at 20°C and agitate until completely reconstituted.

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Technical properties	
Aspect	Liquid
Color	Dark brown
pH (20°C)	8,0 – 10,0
Density (g/ml στους 20°C)	1,100 ± 0,02

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For further information, please consult your local BASF Construction Chemicals Italia Spa representative.

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Supersedes all prior issues on this product

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