



MASTER CHEMICALS TECHNOLOGY

MC- SUPER 43

Concrete Superplasticizer and Set Retarder

Description:

MC-Super 43 is a concrete Superplasticizer and retarder based on the modified naphthalene sulphonate.

Standards:

MC- Super 43 meets the requirements of ASTM C -494 Type G and BS 5075

Advantages:

MC- Super 43 is a high range water-reducing admixture, aids in the Production of concrete

with the following properties:-

- ◆ Increases compressive and flexural strength
- ◆ Improves workability at equal water content compared to non treated, reference concrete.
- ◆ Reduces water content required for a given workability.
- ◆ Retards setting characteristics.
- ◆ Rapid strength gain for earlier stripping.
- ◆ Earlier structural use of concrete.

Uses:

MC-Super 43 admixtures is recommended for use in concrete where initial retardation to Setting is required or desired.

As a result of the advantages listed above, this admixture will improve performance of Prestresssed, Precast and flowing concrete applications.

MC Super 43 admixture can be used with air-entraining cements and air-entraining Admixtures approved by ASTM, and B.S. specifications when air -entrained concrete is specified or desired .When used in conjunction with another admixture, each admixture must be dispensed separately into the mix.

Technical Data:

Appearance	: Clear Brown liquid
Specific gravity at 25°C	: 1.15 g/cm ³
Chloride content	: Nil
Air Entrainment	: < 1%

Rate of Use:

MC-Super 43 can be added directly to the mixing water prior to its addition to the mixer or added separately to the freshly mixed concrete. It is added in the range of 1000±250ml/100kg of cement the optimum dosage is determined by trials using the same materials in use.

Effect of over Dosage:

In case of over dosage of **MC-Super 43**, the retarding effect is increased without affecting the ultimate strength.

Compatibility:

MC- Super 43 is compatible with all types of Portland cement

MC-Super 43 is compatible with other MC-Admix products, which are added separately.

Shelf life:

18 months under suitable storage conditions in closed drums or tanks.

Packaging:

210 Lit. drums and large capacity tanks.

Cleaning:

Tools & equipment can be cleaned using water.

Safety:

MC- Super 43 is non toxic and nonflammable.

Skin contaminations should be cleaned with water.

*For more details contact **Master Chemicals Technology** technical department
Or visit our website www.mc.com.eg*

Master Chemicals Technology

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