



MASTER CHEMICALS TECHNOLOGY

MC- SUPER 41

**High Range Water Reducer, Superplasticizer
For Concrete & Mortar**

Description:

MC- Super 41 is a highly effective Superplasticizer for production of free flowing concrete, based on the modified Naphthalene sulphonate.

Standards:

MC-Super 41 meets the requirements of ASTM C-494 Type F

Advantages:

MC-Super 41 admixture aids in the production of concrete with these special qualities:

- ◆ Dramatic Reduction in Water Requirement at equal slump.
- ◆ Improved Workability at equal water content compared to a non-treated reference concrete.
- ◆ Rapid Strength Gain and earlier stripping.
- ◆ Early reuse of forms for increased production.
- ◆ Earlier structural use of concrete.

Uses:

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

MC- Super 41 admixture can be used with air-entraining cements and air-entraining admixture according to 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	: 1.175 – 1.180
Chloride content	: Nil
Air Entrainment	: < 1%
PH	: 7± 1

Rate of Use:

MC-Super 41 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± 250 ml /100kg of cement. The optimum dosage is determined by trials using the same materials in use.

Effect Of Over Dosage:

An over dose of double the recommended dosage of **MC-Super 41** will produce concrete with high workability. Without affecting the ultimate compressive strength of the concrete

Compatibility:

MC-Super 41 is compatible with all types of Portland cement

MC-Super 41 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 are cleaned using water.

Safety:

MC- Super 41 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

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