

PRODUCT FAMILY

Concrete
Admixtures

MCT

MC-Super 43

Concrete Superplasticizer and Set Retarder

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

Addition rate	Specific gravity @ 25°C	Shelf life	Chloride content
1000 ± 250 ml / 100 kg cement	1.15 g/cm³	18 months	Nil

Description

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

Where to use

- Recommended where initial retardation of setting is required or desired.
- Improves performance in prestressed, precast and flowing-concrete applications.
- May be used with air-entraining cements and air-entraining admixtures where air-entrained concrete is specified or desired.
- When used with another admixture, each admixture must be dispensed separately into the mix.

MCT TECHNICAL DATA

MC-Super 43

Concrete Superplasticizer and Set Retarder

Standards / source references

ASTM C-494 Type G · BS 5075

Advantages

- Improves workability without increasing mixing water.
- Helps place heavily reinforced sections with reduced risk of honeycombing.
- Allows reduction of mixing water while maintaining workability.
- Retards initial setting, extending working time and improving concrete uniformity.
- Promotes early strength development.
- Increases compressive and flexural strength.
- Improves resistance to surrounding and weather conditions.

MCT TECHNICAL DATA

MC-Super 43

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Technical data

Appearance	Clear brown liquid
Specific gravity @ 25°C	1.15 g/cm ³
Chloride content	Nil
Air entrainment	< 1%
pH	7 ± 1
Shelf life	18 months under suitable storage conditions in closed drums or tanks.
Packaging	210 L drums and large-capacity tanks.
Addition rate	1000 ± 250 ml / 100 kg cement

Dosage / method

MC-Super 43 may be added directly to the mixing water before it enters the mixer, or separately to freshly mixed concrete. Use at 1000 ± 250 ml per 100 kg of cement. Determine the optimum dosage by trials using the same materials intended for use.

Cleaning

Clean tools and equipment with water.

MCT TECHNICAL DATA

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Compatibility

Compatible with all types of Portland cement. Compatible with other MC-Admix products; each admixture must be added separately.

Storage / shelf life

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

Safety

Non-toxic and nonflammable according to the approved source. Wash skin contamination with water.

Packaging

210 L drums and large-capacity tanks.

Standards

ASTM C-494 Type G · BS 5075

