

PRODUCT FAMILY

Non-Shrink Grout &
Repair Materials

MCT

MC-Grout E.X

Expanding Additive for Cement Mortar and Cementitious Grout

Powder additive for cement-sand mortar and cementitious grout, formulated to reduce mixing-water demand, improve flow and provide controlled expansion. The source references BS 8110 Part 1.

Dosage	Expansion period @ 20°C	Chloride content	Shelf life
0.5-1.5% of cement	20 min-2 h	Nil	18 months min.

Description

MC-Grout E.X is a powder additive for cement-sand mortar and cementitious grout. It is used to help reduce mixing-water demand, improve fluidity and provide expansion in the fluid phase.

Where to use

- Cementitious and sand-cement grouts used for injection and grouting.
- Production of preplaced-aggregate concrete above or below water.
- Pumping and injection where improved penetration into narrow paths is required.
- Special grout and repair fills in concrete structures.

MCT TECHNICAL DATA

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Advantages

- Helps produce highly fluid grout with reduced mixing water.
- Lubricating effect helps reduce pumping pressure and facilitates transmission through long lines.
- Does not affect setting time, according to the source.
- Provides fluid-phase expansion to help compensate for shrinkage in conventional grout.

Technical data

Chloride content	Nil
Effect on setting time	Does not affect setting
Expansion period @ 20°C	20 minutes to 2 hours
Compatibility	Compatible with all types of Portland cement, according to the source
Shelf life	18 months minimum
Dosage	0.5-1.5% by weight of cement

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Use notes

- Expansion depends on the alkali content of the cement. Where expansion and compressive strength are critical, prepare trial mixes in advance to verify the required properties.
- Dose the product within the stated percentage by cement weight and adjust mixing water and consistency for the intended placement.

Storage & references

- Store under suitable dry conditions.
- Minimum shelf life stated by the source: 18 months.
- Source reference: BS 8110 Part 1.

