

PRODUCT FAMILY

Non-Shrink Grout &
Repair Materials

MCT

MC-Metal Grout

Non-Shrink High-Strength Metallic-Aggregate Precision Grout

Ready-to-use non-shrink grout for precision bearing beneath machines and plates, including bases exposed to thermal movement. The source references CRD-C588-76.

Mixing water / 25 kg	Approx. yield	28-day compressive strength	Packaging
4 L $\pm$ 10%	12 L / 25 kg	650 kg/cm ²	25 kg

Description

MC-Metal Grout is a specially prepared, ready-to-use, non-shrink grout for use from fluid to damp-pack consistency. It is intended for high-strength precision bearing beneath machines or plates, including machine bases subjected to thermal movement.

Where to use

- Machinery and equipment requiring high strength, maximum bearing, impact resistance and non-shrink precision grouting.
- Crane rail plates and rolling, stamping, drawing or finishing mills in steel and aluminium industries.
- Paper-machine installations.
- Turbines, generators and centrifugal compressors.
- Applications where shrinkage must be eliminated to achieve maximum load and bearing transfer.
- Anchor bolts and rods.

MCT TECHNICAL DATA

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Advantages

- Hardens without bleeding, settlement or drying shrinkage when mixed, placed and cured at the appropriate consistency.
- Dense grout without gas-generating or air-release agents such as aluminium powder.
- Withstands thermal movement and cyclic heating/cooling and wetting/drying effects, according to the source.
- Ductile metallic aggregate provides higher strength and improved impact resistance under dynamic and repetitive loading.
- Develops strength without vertical confinement.
- Meets the source-referenced non-shrink requirements of CRD-C588-76.

Technical data

Mixing water per 25 kg bag	4 L $\pm$ 10%
Approximate yield	12 L per 25 kg
Approximate material requirement	84 bags per m ³
Compressive strength - 1 day	250 kg/cm ²

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Yield & strength development

Compressive strength - 3 days	400 kg/cm ²
Compressive strength - 7 days	500 kg/cm ²
Compressive strength - 28 days	650 kg/cm ²
Packaging	25 kg moisture-resistant bag

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Precautions

- The source specifies an approximate 7-40°C temperature range for the bedplate, foundation and grout.
- Do not use water in an amount or at a temperature that produces a flow of less than 20 seconds under the referenced CRD-C 79-77 test or causes bleeding / segregation.

Standards / source references

- CRD-C588-76
- CRD-C 79-77 flow reference, as stated by the source.

