

PRODUCT FAMILY

Non-Shrink Grout &  
Repair Materials

MCT

# MC-Construction Grout

## Ready-to-Use Non-Shrink High-Strength Cementitious Grout

Ready-to-use cementitious grout requiring only water addition, designed for high-strength grouting from flowable to damp-pack consistency. The source references CRD-C 621-83.

| Mixing water / 25 kg | Approx. yield | 28-day compressive strength | Packaging |
|----------------------|---------------|-----------------------------|-----------|
| 3.25 L ± 10%         | 13 L / 25 kg  | 550 kg/cm <sup>2</sup>      | 25 kg     |

## Description

MC-Construction Grout is a ready-to-use, non-shrink, high-strength cementitious grout. It can be mixed from flowable to damp-pack consistency for grouting beneath column and equipment bases, holding-down bolts and precast concrete joints.

## Where to use

- Grouting column or stanchion bases and holding-down bolts.
- Repair and infill where a material similar in appearance to concrete is required.
- Precast concrete joints and related general construction grouting, as described in the source.

MCT TECHNICAL DATA

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## Advantages

- Factory-premixed product requiring only water addition, reducing site batching variation.
- Non-shrink performance when mixed and placed at the appropriate consistency.
- Develops high compressive strength even at flowable consistency.
- Cost-effective solution for general building and construction grouting.
- Provides a concrete-like appearance for repair and infill work.

## Technical data

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Mixing water per 25 kg bag       | 3.25 L $\pm$ 10%                          |
| Approximate yield                | 13.00 L (0.013 m <sup>3</sup> ) per 25 kg |
| Approximate material requirement | 77 bags $\times$ 25 kg per m <sup>3</sup> |
| Compressive strength - 3 days    | 320 kg/cm <sup>2</sup>                    |
| Compressive strength - 7 days    | 450 kg/cm <sup>2</sup>                    |
| Compressive strength - 28 days   | 550 kg/cm <sup>2</sup>                    |

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## General precautions

- Do not add water in an amount that causes bleeding or segregation.
- The source specifies a grout and contact-surface temperature range of approximately 7-40°C; outside this range, use appropriate hot- or cold-weather grouting practice.
- Compressive strength is affected by mixing water, temperature, curing and age; control tests should therefore reflect the required placing consistency.
- For critical structural or operating-equipment support, or where very high fluidity is required, consult MCT technical support regarding the appropriate precision-grout system.

## Packaging & reference

- Packed in 25 kg moisture-resistant bags.
- Source reference: CRD-C 621-83.

