



MASTER CHEMICALS TECHNOLOGY

MC- CONSTRUCTION GROUT

Ready- to- use, Non- shrink Grout
Meets Non- shrink requirements of CRD – C 621-83

Description:

MC-Construction Grout is specially prepared , ready –to- use , non shrink high strength grout . it is formulated for use any consistency from flowable to damp- pack for grouting of column and stanchion baseplates, holding down bolts and precast concrete jointing .

Benefits :

M C - Construction Grout provides :

- ◆ A cost – effective solution for less critical building and construction site applications .
- ◆ A ready – to- use grout that hardenes free of bleeding and shrinkage when mixed and placed at a flowable to damp- pack cosisitency .
- ◆ A non – shrink grout / mortar for use were a material similar in apperance to concrete is required .
- ◆ A grout that develops high strengths at flowable consistency .
- ◆ A factory produced premixed product requiring only mixing with water , thus eliminating site batching variations .

Recommended :

M C - Construction Grout recommended for :

- ◆ Grouting column or stanchion bases , holding down bolts .
- ◆ Repairing or in – filling where a material similar in color to concrete is required .

Quantity to use :

On 25Kg bag of **M C - Construction Grout** mixed with $3.25 \pm 10\%$ litres of water produces approximately 13.00 litres (0.013 m^3) of grout (approximately $77 \times 25\text{kg bags} / \text{m}^3$) using more or less water to meet consistency requirements will increase or decrease the yield .

Strength Development :

The strength of the grout is often the determining factor in deciding when loads can be put on structural members . The strength of the grout is dependent on the amount of mixing water . temperature of the object grouted, curing and age of the hardened grout .

Typical compressive strengths of **M C - construction Grout** ;

Age	Flowable Kg / cm ²
3 days	320
7 days	450
28 days	550

Note : The data shown are based on controlled tests at 20⁵C. Reasonable variations from the results shown can be expected .field and laboratory tests should be controlled on the basis of the desired placing consistency rather than strictly on the water content .

If the work requires that tests be made at the job- site , or the laboratory use 50mm or 100 mm cube molds . consult our **Master Chemicals Technology** representative in any doubt .

Precautions :

Do not add water in an amount that will cause the grout to bleed or segregate .

The temprature of both the grout and elements coming into contact with the grout should be in the range of 7⁵C at 40⁵C.

If outside this range , high and low temperature grouting techniques should be discussed with the local Master Chemicals Technology representative .

Where the grout will be used to support critical structures or operating machihinery , or where highly fluid or flowable grout is required , use one of Master Chemicals precisor non- shrink grouts (**M C - Grout , M C - Metal Grout**)

Packaging :

M C –Construction Grout is packed in 25kg moisture- resistant bages.

*For more details contact **Master Chemicals Technology** technical department*

Or visit our website www.mc.com.eg

Master Chemicals Technology

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