



MASTER CHEMICALS TECHNOLOGY

MC- GROUT

Ready –to-use , non shrink grout, natural in color, flowable, high strength, meets non shrink requirements of CRD-C588-76 and CRD 621

Description:

MC-Grout is specially prepared , ready –to- use , non shrink high strength grout . it is from flowable to damp pack for precision of grouting of equipment, concrete systems structural building members, curtain walls , precast wall panels, beams and columns .

It contains natural aggregates and provides a grout that is similar in appearance to concrete and mortar **M C - Grout** is the ideal product to use for a natural colored grout .

Benefits :

- ◆ A ready –to- use grout that hardens free of bleeding , settlement or drying shrinkage when mixed and placed at a flowable , plastic or damp-pack consistency .
- ◆ A grout that retains good workability even after 20minutes at 35⁵C .
- ◆ A non –shrink grout that can be pumped into intricate areas or areas inaccessible to conventional grouting methods.
- ◆ A non-shrink grout for use where a grout similar in appearance to concrete and mortar is required or desired .
- ◆ A non- shrink, dense grout which contains no gas-generating or air – release agents, such as aluminium powder , fluid- coke , etc..
- ◆ A grout that develops high strength at flowable consistency .

Technical Data :

Color	: Grey
Density	: 1.4-1.5 Kg/L (bulk)
	: 1.8-2 Kg /L (mix)
Shelf life	: 12 months
Expansion	: < 0.4% after 28 days

Recommended :

- ◆ Grouting precision equipment , baseplates, soleplates and columns.
- ◆ Grouting application where shrinkage must be eliminated and where high – strength grout similar in appearance to concrete and mortar is required or desired.
- ◆ Non – shrink grouting or precast wall panels , beams and columns .

Quantity to use :

25Kg bag of **M C - Grout** mixed with $4 \pm 10\%$ litres of water produces approximately 14.00 litres of grout (72 bags $\times 25\text{Kg} / \text{m}^3$) using more or less water to meet consistency requirements will increase the yield .

Strength Development :

The strength of the grout is often the determining factor in deciding when loads can be put on structural members or machinery that were grouted .

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 the **M C - Grout** ;

Age	Flowable Kg / cm ²
1 day	200
3 days	350
7 days	500
28 days	600

* 95 % flow on flow table , ASTM C 230.5 drops in 3 seconds .

Precautions :

The temprature of both the grout and elements coming into contact with the grout should be in the rang 7°C to 40°C . Do not add water in an amount that will cause the grout to bleed or segregate . If outside that rang , special information on high and low temperature grouting techniques are available from Master Chemicals Technology representatives .

Packaging :

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

M C - Grout S.R is also available for conditions requiring sulphate resisting grout .

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

Or visit our website www.mc.com.eg

Master Chemicals Technology

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