

MasterRoc[®] MG 100

Thixotropic grout additive to improve corrosion protection to rock & cable bolts

DESCRIPTION

MasterRoc MG 100 is a product in powder form. One 15kg bag is added to 80kg of cement to produce a thixotropic, pumpable, non-shrink, impermeable grout providing high strength and high bond to steel. The most important property **MasterRoc MG 100** provides to grout is the protection of cables and steel bolts against corrosion.

FEATURES AND BENEFITS

- High strength
- High bond to steel
- Grout thixotropy (reduces grout loss in ground faults/fissures)
- Shrinkage compensated
- Impermeability
- Greater than one hour working time
- High mix water retention

TECHNICAL DATA

CHARACTERISTIC	33 ltrs*	36 ltrs*	
Water / Cementitious ratio	0.35	0.38	
Bleed	Nil	< 0.25 %	
Compressive Strength	24 hrs	18 MPa	19 MPa
	7 days	52 MPa	48 MPa
	28 days	77 MPa	67 MPa
	1 year	89 MPa	Not tested

* Qty of water per batch of 80kg of cement + 15kg of **MasterRoc MG 100**

APPLICATION

Introduce 30 to 36 litres of water to the mixer.

Start the mixer and add 15kg of **MasterRoc MG 100** followed by 80kg of cement.

Mix for 3 minutes or until a homogeneous lump free mixture is obtained.

The grout mixture will remain workable for at least one hour.

NOTE:

The temperature of walls and spaces where the grout is to be pumped should be between 5°- 40°C for optimum results.

MasterRoc MG 100 is a chloride free product, however chlorides can be introduced into a grout via mixing water or brand of cement.

It is recommended to use water containing less than 40mg/l of chloride and chloride free cements.

Though all Portland, pozzolanic or slag cements may be used, GP cement is recommended in cold weather.

ESTIMATING DATA

Approximately 70 litres of thixotropic grout is obtained by mixing 33 litres of water, 80kg of cement and 15kg of **MasterRoc MG 100**.

EQUIPMENT

- Batch type paddle mixers (e.g. GP 2000)
- Some colloidal mixers (high water content only)

PACKAGING

MasterRoc MG 100 is supplied in 15kg paper bags, 340kg & 680kg bulka bags.

STORAGE/SHELF LIFE

Containers should be stored tightly sealed in a dry place.

MasterRoc MG 100 has a shelf life of 12 months.

PRECAUTIONS

For the full health and safety hazard information and how to safely handle and use this product, make sure that you obtain a copy of the BASF Safety Data Sheet (SDS) from BASF office or website.



We create chemistry

MasterRoc[®] MG 100

MasterRoc-MG100-ANZ-V2-0317

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

BASF Australia Ltd
ABN 62008437867
Level 12
28 Freshwater Place
Southbank VIC 3006
Freecall: 1300 227 300
www.master-builders-solutions.basf.com.au

BASF New Zealand Ltd
Level 4, 4 Leonard Isitt Drive
Auckland Airport 2022
Auckland, New Zealand
Freecall: 0800 334 877
www.master-builders-solutions.basf.co.nz

BASF Emergency Advice:
1800 803 440 within Australia (24hr)
0800 944 955 within New Zealand