

ALEXGROUT MC



Free Flowing, Non Shrink- Micro- Concrete Grout

Description

ALEXGROUT MC is a ready to use Product in powder form, which requires Only the on-site addition of water (just Add water) to Produce a non shrinkage micro concrete Of predictable performance.

Uses

- Milling equipment
- Gas turbines
- Crane beams.
- Anchor bolts for steel structure, tanks,machines .
- Generators base plates.
- Filling the areas between precast panels and the building.

Advantages

- Low heat gain when mixed
- Shrinkage compensated
- High bond strength to steel & concrete
- High Impact Resistance
- Excellent workability retention even at High temperature
- Carbonation & chloride ingress resistant
- Impermeable
- Fiber reinforced
- Valid for thickness up to 30 cm.

Standard

According to ASTM C1107 grade C

Properties

Colour	Grey	
Specific Gravity	2.20+-0.05	20o C
Bond strength		
To concrete	7.0N/mm2	28 days
To steel	20 N/mm2	28 days
Compressive strength		
plastic consistency	40 N/mm2	1 day
flowable consistency	30 N/mm2	1 day
plastic consistency	55 N/mm2	3 days
flowable consistency	40N/mm2	3 days
plastic consistency	70 N/mm2	7 days
flowable consistency	50 N/mm2	7 days

Guide to application

Surface preparation

- Remove all lose material from the surface such as oil,dust,paint,curing compound or other contaminated material that decrease the adhesion force.
- Confirm both of the strengthened and the sealed of the shuttering to prevent from leakage during casting.
- Saturated the old surface by water.
- Remove all excess water before casting the grout.
- Cast the grout from one side to the other to avoid air entrapment.

- Vent holes permitted to avoid air entrapment and confirm grout filling under base plate.
- Rod, vibrators are allowable to remove voids.

Mixing:

- Use a clean container
- Add the measured quantity of water.
- Add the powder gradually.
- Mix from 3.5 to 3.75 liter of water per each 25 kg pack using mortar mixer for at least 5 min.
- Not accepted to mix more than material to mixed.

Coverage:

The approximate yield per 25 kg bag at each consistency is 12.0 lit for trowelable and 13.0 lit for flowable.

Storage:

Store under cover, out of direct sun and protect from extremes of

temperature, in tropical climates, the product must be Stored in an air-conditioned environment Failure to comply with the recommended Storage conditions may result in premature deterioration of the product or packing.

Packing:

ALEXGROUT MC is supplied in 25 kg bags.

Shelf life:

Up to 12 months if stored in unopened Containers according to the manufactured instructions

Safety precautions:

- Avoid contact with eyes, mouth, and skin.
- It is non toxic
- Any splashed on skin should be washed by water.

Guarantee:

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

Technical Service:

For any technical advice for using the **ALEXCHEM** contact the technical office.

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