

MASTERGROUT CPG 1

EXPANDING AND PLASTICISING ADMIXTURE AND POLYMER BASED GROUTING AID

DESCRIPTION

MASTERGROUT CPG 1 imparts non-shrink and plasticizing properties to cement when used for grouting purpose. It is an additive to cement.

FEATURES / ADVANTAGE

- It facilitates good flowable cements grout
- It imparts non-shrink property
- Higher strengths are achieved at early stage
- Helps to reduce permeability
- Increases durability
- It is corrosion free because it is free from chloride and iron
- It reduces segregation

TYPICAL APPLICATION

- For cementitious grouting, for filling cracks, honey combs etc.
- Duct grouting, non-shrinks filling
- For joining structural elements by injection and pressure grouting
- Gravity grouting

TYPICAL CHARACTERISTICS

- Nature : Single component powder
- Color : Brownish to grey powder
- Expansion : Controlled positive expansion 1% to 4%
- Setting time : It will not affect the normal set of cement Grouts
- Compressive strength: It gives higher strengths as it allows water reduction
- Chloride content : Nil

DIRECTION FOR USE

DOSAGE

Pressure grouting with cement only (Neat Cement) : 250 gm. (1pack) per 50kg of Cement
Gravity Grouting Cement grout (Neat Cement sand 1:1): 250 gm. (1pack) per 50kg of Cement
For concrete : 250 gm (1pack) per 100kg of Cement

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MIXING

It is advisable to pre-mix the required quantity of 250 gm. of MASTERGROUT CPG 1 with the dry cement or concrete mixes in a mechanical mixer. Add water in such a manner to ensure the water cement ratio as low as possible to get desired quality grouts. Remove any cement lumps present in the mix.

APPLICATION

- All loose particles, laitance, grease and oil should be removed from the substrate.
- Care should be taken to ensure cleanliness of the substrates and they should be moistened enough.
- The mixed grout or concrete with MASTERGROUT CPG 1 should be used within about 20-30 minutes.
- Grouts should be used as early as possible maintaining a continuous flow otherwise it may lead to placing and pumping problems.

YIELD ESTIMATION

- With 50 kg. cement- 1 pack of MASTERGROUT CPG 1 will yield 36 liters of neat cement grout at a w/c ratio of 0.40 to 0.44
- With C: S-1 : 1-1 pack of MASTERGROUT CPG 1 will yield 56-58 liters of grouts at a w/c ratio of 0.44

PACKING

MASTERGROUT CPG -1 is supplied in 250 gms packet.

SHELF LIFE

1 Year if stored in dry and cool place.

PRECAUTIONS

- MASTERGROUT CPG – 1 is nontoxic but splashes on to skin or eyes should be avoided.
- It is better to handle with gloves.
- It is not compatible with high alumina cement.
- When falls on skin or eyes, it has to be washed immediately with plenty of water and medical advice should be taken.

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ADDITIONAL INFORMATION

MASTER PLUG is an instant setting cementitious compound used for fixing plastic pipes during grouting process. Available in 5 kg and 30 kg packs.