

Master GroutPlus ADX

Expansive Grout Admixture

Description

Master GroutPlus ADX is a multi-component, chloride free powder admixture for use in cement or sand grouting mixtures to reduce mixing water requirements without the consequent loss of fluidity.

As a plasticising agent and a gas producing expansion medium, Master GroutPlus ADX can counteract the natural settlement and plastic shrinkage of the grout and aids stability and cohesion.

Uses

- Grouting mortars for pre-packed concrete
- Grouting for post-tensioned cable ducts
- Grouting mortars for jointing of precast concrete members
- Grouting mortars for void-filling, repair of honeycombed and other general repair work
- Underpinning grouts
- Bed grouting
- Grouts for rock-grouting and soil stabilization

Advantages

- Reduction of mixing water and bleeding
- Increase fluidity
- Non-corrosion, rust staining and rust expansion
- Reduce segregation
- High strength

Application

Surface Preparation

Area to be grouted must be clean, sound and pre-saturated.

Mixing

Mixing can be done by using a mechanically powered high shear vane grout mixer. However, for mixing up to 50 kg, a slow speed drill with high shear paddles is recommended.

The machine mixing capacity should be adequate with labour availability to ensure the grouting operation can be carried out continuously.

Prepare mortar in the following sequences : first, add the required amount of water into the mixer. Then slowly add the cement (and sand if required) followed by Master GroutPlus ADX. Mix continuously for 3 to 5 minutes until a homogeneous and smooth consistency is obtained.

Application

Grout should be placed within 20 minutes after mixing to ensure the full advantage of expansion process can be achieved.

Normal placing or pumping procedures shall be carried out for obtaining a continuous operation. Sufficient pressure must be maintained during placing.

After the grouting operation, exposed areas should be completely cured with burlaps or curing compounds.

Working and mixing equipment to be cleaned with water immediately after use before the mortar hardens.



BE SURE. BUILD SURE.

Mix Design for Mortar

Cement	Sand	Master GroutPlus ADX	Water
500 kg	500 kg	4 kg	190 litres

Mix Design for Grout

Cement	Master GroutPlus ADX	Water
1000 kg	5 kg	310 litres

Technical Data for Master GroutPlus ADX

Characteristics	Unit	Value	Comments
Compressive Strength	N/mm ²	55.0	28 days
Flexural Strength	N/mm ²	10.0	7 days
Flow Spread	mm	240	as mortar
		230	as grout
Early Expansion	%	1.0	as mortar
		1.6	as grout

Product Characteristics for Master GroutPlus ADX

Packaging	25 kg bag
Storage	Can be stored in shaded, cool and dry conditions for 6 months in original unopened packs.
Disposal	In the interest of the environment, please empty all bags completely & in accordance with local regulations.

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

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