

# ArmGrout Additive

(Formerly known as MYK GROUT ADD)

Expansive Grout Additive



## TECHNICAL DATA SHEET

### Product Description

ArmGrout Additive is a specially formulated grouting aid. It plasticize the mix allowing for substantial reduction in water content without affecting the fluidity, thus improving the strength and impermeability of the grout. During the setting period of the grout it produces controlled expansion to compensate the normal plastic shrinkage of cement.

#### General:

A single pack powder grout additive which when added to cement produces a free flow non-shrink grout.

### Uses

Ideally designed for injection grouting and in-filling where a non-shrink free flow filling is required. Best for grouting of weak concrete structures, honey combed areas, voids etc.

### Features and Benefits

- Free flow
- Chloride free
- Excellent adhesion
- Higher fluidity
- Gaseous expansion
- Compensates plastic shrinkage in cement

### Application Methodology

#### Step no 1: Method of Use:

ArmGrout Additive is admixed with neat cement of suitable consistency and injected under pressure preferably by a positive displacement through nozzles.

#### Step no 2: Product Mixing:

For best results a mechanical power mixer must be used. Large quantities will require a high volume drum mixer. The selected water content (W/C) ratio 0.45 for best results should be added to the mixer. This can be varied depending on the site conditions and requirements

#### Step no 3: Product Application:

It shall be ensured that areas to be grouted are clean, sound and pre wetted. Usual placing or pumping procedure shall be adopted ensuring a continuous operation and shall be placed within 20 minutes of mixing to gain the full benefits of expansion process

#### Curing:

On the completion of the grouting operation an exposed areas which are not to be grouted shall be cured

#### Dosage

OPC Cement	Concreting sand	Water	Grout Additive Yield	Approx
50 Kgs	-	Approx 22 lit	250 g	35 Lit
50 Kgs	50 Kgs	Approx 24 Lit	250 g	55 Lit

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#### Technical Data

Form: Powder  
Color: Yellowish Brown

##### Properties:

Unrestrained Expansion: Maximum up to 6 % Time of expansion at 20 °C: 10 minutes - 2 hrs.

##### Expansiveness:

Slight expansion leads to bonding with to surrounding materials

##### Compressive Strength:

The plasticizing action of ArmGrout Additive the water cement ratio allows reduction of the water /cement ratio of cementitious grout whilst maintaining the flow properties

##### Setting time:

ArmGrout Additive does not significantly alter the setting time of the cementitious based grout

##### Expansion Characteristics:

The controlled positive expansions in unset grout incorporating ArmGrout Additive over comes plastic settlement.

##### Performance Specification:

All grouting must be carried out with a cement based grout incorporating a plasticized expanding powder admixture. The grout admixture shall be added to the cement grout in the proportion of 250 Gms for bag of cement.

##### Limitations:

ArmGrout Additive is not compatible with High alumina cement.

#### Packaging

ArmGrout Additive is supplied in 250 grams packs

#### Storage and Shelf Life

1 year from date of manufacturing if placed in cool and dry place in its original sealed packing & under shaded area having temp below 30°C and low humidity. The information given in the date sheet is based on the years of experience, and found correct to the best of our knowledge. However the success of the product & its application is dependent on many external factors. We are fully assured of our products quality at the time of dispatch. As we are constantly end eavoring to enhance the qualities of our products which may reflect changes in the data sheets. Hence in the event of any doubt on critical parameters it is advisable to consult our technical department.

#### Health and Safety Instructions

ArmGrout Additive is alkaline and should not come into contact with skin and eyes. Avoid inhalation of dust during mixing. Gloves, goggles and dust mask should be worn. If contact with skin occurs, wash with water. Splashes on eyes should be washed immediately with plenty of clean water and medical advice sought

##### Fire

ArmGrout Additive is non flammable.



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#### Product Categories Available



#### Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

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