

# MYK GROUT ADD

## Expansive Grout Additive

### Technical Data Sheet

#### Product Description:

MYK Grout ADD 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.

#### Advantages:

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

#### Purpose:

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.

#### 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 MYK Grout Add the water cement ratio allows reduction of the water /cement ratio of cementitious grout whilst maintaining the flow properties

#### Setting time:

MYK Grout Add does not significantly alter the setting time of the cementitious based grout

#### Expansion Characteristics:

The controlled positive expansions in unset grout incorporating MYK Grout Add 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.

#### Method Of Use:

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

#### 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

#### 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 with in 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

#### Estimating Packaging:

MYK Grout ADD is supplied in 250 grams packs.

**Dosage**

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

**Limitations:** MYK Grout ADD is not compatible with High alumina cement.

**Supply:** 250 Grams Pouch

**Storage & 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 data 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 endeavoring 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

**Technical Support:**

Technical information regarding Schomburg range of products can be obtained from the technical cell of MYK Schomburg

**Note:**

Information in this technical data sheet is to the best of our knowledge true and accurate. However, such conditions under which our products may be used are beyond our control, recommendations

MYK SCHOMBURG INDIA PVT LTD  
(An Indo-German JV)  
8-2-703/A, 3<sup>rd</sup> Floor, Leela Gopal Towers,  
Road No. 12, Banjara Hills,  
Hyderabad -500 034  
Tel: +91 40 3040 0000  
Email: mykschomburg.com  
www.mykschomburg.com