



# CLASSIC GROUTMATE 400

## High Strength Free Flow Non-Shrink Grout

### Product:

A single pack, ready to use, high strength, free flowing non-shrink grout. Ideal for use for under bases and bolt pockets of stanchions and all machinery and equipment.

### Description:

**Classic Groutmate 400** is based on specially processed cements containing fillers and additives. It is supplied as a ready to use grout requiring addition of precise quantity of water at site (4.25 Litres/ 25Kg grout). It has excellent flow properties and will not shrink after placing. It is suitable for gap widths of between 10mm – 50mm for widths less than 10mm epoxy resin grout can be used. For thickness in excess of 50mm (say 75-100mm) cleaned, washed 10mm aggregates can be incorporated at the rate of 50% - 100% of the quantity of grout used.

### Composition:

**Classic Groutmate 400** is a blend of specially processed cement and special fillers free from corrosive substances and additives.

### Advantages:

- Prepacked, factory controlled consistent material, needing only the addition of water.
- Shrinkage offset by expansion to ensure original volume is retained.
- Free flowing self-levelling grout.
- Easy placement and filling of bases of machinery.
- Chloride free.

### Expansion:

Positive expansion during setting leads to superior bonding to surrounding material.

### Pack & Yield:

Available in 25Kg bag. One pack of **Classic Groutmate 400** will yield approximately 12.5 litres of

grout when mixed with specified quantity of water.

### Properties:

The properties of **Classic Groutmate 400** depend upon the water powder ratio. The water need to measured and 25Kg of **Classic Grout 400** will require 4.25 Litres of water (w/p=0.17) for making flowing grout.

Yield per 25Kg:	12.5 Litres approx.
Pourable Life:	20 minutes
Density:	2200 Kg/m <sup>3</sup>
Operational Temp.:	25°C
Application Temp.:	10 to 40°C
Expansion (% Vol):	0.8

### Typical Strength Development:

The compressive strength of **Classic Groutmate 400** tested under restrained conditions using 7.07cm cubes.

Age in Days	Compressive Strength in N/mm <sup>2</sup>	
	Pourable W/P =0.16	Flowable W/P = 0.17
1	20.0	15.0
3	35.0	29.0
7	46.0	39.0
28	55.0	47.5

### Instruction for Use:

#### Bolt Pockets:

Depending on the size of the bolt pockets, 50-100% cleaned 10mm sound aggregates by weight of grout consumption may be incorporated to economise on grout and also to keep the heat of hydration low. When the thickness exceeds 100mm – 150mm, our technical department may be contacted for advice. There must be at least 12 hours gap between bolt pocket under base plate grouting sequences.

#### Bolt plates:

Leak proof strong formwork must be provided to withstand operational stresses while grouting and all edges must be sealed with **Classic Grout 400** trowelling consistency to arrest the grout

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from flowing out of framework. The sealed edges must be strong enough to resist fluid grout. The exposed areas must be kept to a minimum 100-150mm on the opposite side.

## Surface Preparation:

1. All contaminated surfaces must be cleaned thoroughly and all contaminations fully removed by chemical or mechanical methods.
2. All bolt pockets and under bases must be free from dust, laitance and of sound substrate. If needed, substrate must be hacked to provide extra mechanical key.
3. The pockets and under-bases must be inundated with water to allow for full absorption for at least 24 hours. Just before the grouting is to commence, all water must be removed completely leaving the surface only damp.

## Mixing:

Mechanical mixing using a grout mixer or concrete mixer is only recommended. No hand mixing is permitted.

1. Place 80% of the water required in a concrete mixer (100% water in case of a grout mixer).
2. Slowly add the required amount of **Classic Grout 400** while mixing continuously for 1 minute. Add balance quantity of water (20%) and mix for 3 to 5 minutes maximum.

## Placing:

The mixed grout must be placed immediately from one side to avoid air pockets. Hydrostatic head of 150-250mm must be provided to enable the free flowing of grout under base plate. Grouting must be continuous until the cavity is completely filled to the desired level. All exposed areas must be restrained by covering with wooden plating or polythene sheets with sand sprinkled on top of the sheet.

## Curing:

12 hours after grouting, all grouted areas must be cured with wet hessian cloth (keep wet always) of water ponding wherever possible for a minimum 7 days period.

## Cleaning:

All equipment and tools must be rinsed with water immediately after use and then dried.

## Storage Life:

**Classic Groutmate 400** has a minimum shelf life of 6 months if stored in a dry enclosed area in unopened bags.

## Variety of Products:

Following are the other similar products from Primadonn Buildtech Pvt. Ltd.

- Classic Anchor Grout
- Classic Floor Top-HD
- Classic Floor Top-HT
- Classic Floor Top-HTL
- Classic Grout Admix
- Classic Groutmate-600
- Classic Strong Grout-231



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