



CLASSIC DURATM GROUT GP60

Ultra 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. **Classic Dura Grout GP60** is a blend of specially processed cement and special fillers free from corrosive substances. It is also known as **Classic Groutmate 600**.

Description:

Classic Dura Grout GP60 is based on specially processed cements containing fillers and additives. **Classic Grout GP60** is supplied as a ready to use grout requiring addition of precise quantity of water at site (3.75 to 4.125 Litres / 25 Kg grout). **Classic Dura Grout GP60** is suitable for gap widths of between 10mm to 50 mm. For widths less than 10mm 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 Dura Grout GP60 is a blend of specially processed cement and special fillers free from corrosive substance.

Advantages:

- Excellent water repellent.
- Prepacked, factory controlled consistent material that requires only addition of water.
- Shrinkage offset by expansion to ensure original volume is retained.
- Free flowing self-levelling grout. Easy placement and filling of under bases of machinery.
- Non-metallic and chloride free.

Expansion:

Positive expansion during setting leads to superior to surrounding material.

Pack & Yield:

25 Kg bags. One pack of **Classic Dura Grout GP 60** will yield approximately 12.5 litres of grout when mixed with specified quantity of water.

Properties:

The properties of **Classic Dura Grout GP60** depend upon the water powder ratio. The water needs to be precisely measured and 25 Kg of **Classic Dura Grout GP60** 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:	2200kg/m ³
Operational Temp.	25°C
Application Temp.	10 to 40°C
Expansion (% by vol)	0.8

Typical Strength Development:

The compressive strength of **Classic Dura Grout GP60** tested under restrained conditions using 7.07cm cubes.

Age in Days	Compressive Strength in N/mm ²	
	Pourable W/P = 0.16	Flowable W/P = 0.17
1	30.0	25.0
3	55.0	47.5
7	60.0	55.0
28	75.0	65.0

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 to 150mm, our technical department may be contacted for advice. There must be atleast 12-hour gap between bolt pocket and under base plate grouting sequences.

Bolt Pockets

Leaf proof strong formwork must be provided withstand operational stresses while grouting and all edges must be sealed with **Classic Dura Grout GP60** trowelling consistency to arrest the grout from flowing out of formwork. The sealed edges must be strong enough to resist fluid grout. The exposed areas must be kept to a minimum 100- 150mm on the grouting side and 50mm on the opposite side.

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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 Dura Grout GP60** 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 only to avoid air pockets. Hydrostatic head of 150-150mm 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 plates or polythene sheets with sand sprinkled on top of the sheet.

Curing

3 to 4 hours after grouting. All grouted areas must be cured with wet hessian cloth (keep wet always) or 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 Grout GP60 has a minimum shelf life of 6 months if stored in a dry enclosed area in unopened bags.

TAMILNADU Corporate Office

PRIMADONN BUILD TECH PVT LTD

No. 349, First Floor, Srinivasa Nagar, Kavariipettai, Gummidipoondy 601 206.

Ph+91-8220513172,

Admin Office:

No.605, Selva Vinayaga Nagar, Grant Lyon Village, Ponneri Tk., Thiruvalluvar Dt., Ph+91-6379174327, +91-8438276059.

Manufacturing Unit

No.603, Selva Vinayaga Nagar, Grant Lyon, Vadagarai, Chennai 600 052. Ph.+91-9444907177

KARNATAKA

Corporate Office:

PRIMADONN CONSTRUCTION CHEMICALS (P) LTD.,

Talacauvery Layout, Basavanagar, Bangalore 560 037. Ph.+9150878429, +91-9345411355.

PONDICHERRY

Branch Office

192/A, Chinna Subburaya Pillai Street, Near Vaikal Cutting, Puducherry 605 001. Ph.0413-4208833, 91-+9514709240

Distributor's

151, Chinna Subburaya Pillai Street, Near Vaikal Cutting, Puducherry 605 001. Ph.0413-2222100, 91-+9345561820

Email: Info@Primadonn.com, www.Primadonn.com

