



Technical Data Sheet

FLOGROUT 60

Ultra high strength free flowing non-shrink grout

ADVANTAGES:

- Excellent water repellent.
- 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 underbases of machinery.
- Non metallic and chloride free.

PRODUCT:

A single pack, ready to use, high strength, free flowing non-shrink grout.

COMPOSITION:

FLOGROUT 60 is a blend of specially processed cement and special fillers free from corrosive substances.

PURPOSE:

Ideal for use for underbases and bolt pockets of stanchions and all machinery and equipment.

YIELD:

One pack of FLOGROUT 60 will yield approximately 12.5 litres of grout when mixed with specified quantity of water.

EXPANSION:

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

HIGH STRENGTH:

High early and ultimate strength.

PACK:

25 kg Lined HDPE Bags.

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DESCRIPTION:

FLOGROUT 60 is based on specially processed cements containing fillers and additives. Flogrout 60 is supplied as a ready to use grout requiring addition of precise quantity of water at site (3.75 to 4.125 Litres / 25kg grout).

Flogrout 40 is suitable for gap widths of between 10mm – 50mm. For widths less than 10mm Quickmast 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.

WATER POWDER RATIO:

The water needs to be precisely measured and 25kg of Flogrout 60 will require 3.750 litres for pourable consistency (W/P – 0.15) and 4.125 litres for flowable consistency (W/P – 0.165).

PROPERTIES:

Yield per 25kg 12.5 Litres approx.
 Pourable Life 20 minutes
 Operational temp. 30°C
 Application temp. 10 to 40°C
 Expansion (% by vol.) 0.8

Compressive Strength Development:

Age in Days	Compressive Strength in N/mm ²	
	Pourable 0.15 w/p	Flowable 0.165 w/p
1	30.0	25.0
3	55.0	47.5
7	60.0	55.0
28	75.0	65.0

USES:

Bolt pockets and baseplate grouting of all equipment, crane, stanchion bases and all types of machinery in cement, textile, paper, steel industries, etc.

INSTRUCTIONS FOR USE:**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 Flogrout 60 while mixing continuously for 1 minute. Add balance quantity of water (20%) and mix for 3 to 5 minutes maximum.

The mixed grout must be placed immediately and grouting must be continuous till the cavity is filled up.

HEALTH AND SAFETY:

Flogrout 60 is non-hazardous. However inhalation of dust should be avoided while handling. In its wet state, if contact with eye occurs, wash well with clean water.

HOW TO SPECIFY:

The information given in this data sheet is based on both current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site conditions, etc.

In view of the continuing research and development being undertaken in our laboratories, we advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subject to our standard conditions of sale which are available on request.

Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact your local DON representative.

Surface Preparation:

1. All 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 underbases 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.

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 atleast 12 hours gap between bolt pocket and under base plate grouting sequences.

Baseplates:

Leak proof strong formwork must be provided to withstand operational stresses while grouting and all edges must be sealed with Flogrout 60 trowelling consistency to arrest the grout from flowing out of formwork. The sealed edges must be strong enough to resist fluid grout (atleast 1-2 hours after sealing). Hydrostatic head 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. The exposed areas must be kept to a minimum 100-150mm on the grouting side and 50mm on the opposite side.

All exposed areas must be restrained by covering with wooden plates or polythene sheets with some sand sprinkled on top of the sheet.

Curing:

3 – 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.

Cleaning:

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

STORAGE LIFE:

Flogrout 60 has a minimum shelf life of 6 months if stored in a dry enclosed area in unopened bags. Precautions taken for storing cements will also apply in the case of Flogrout 60.

Flogrout 60 Ultra high strength free flowing non-shrink ready to use grout shall be used for all m/c foundations

strictly in accordance with the instructions of Don Construction Chemicals India Ltd.