

# DURA BUILD CARE PVT. LTD.



AN ISO 9001 : 2008 COMPANY

*“Quality, Integrity Assured.”*

## DURAGROUT GP2

Ready-to-use Non-shrink Free Flow Cementitious Grout

### Description :

**DURAGROUT GP2** is a grout for general purpose and **DURAGROUT GP2** for extra strength. **DURAGROUT GP2** is a ready-to-use free flow cementitious grout in powder form. Only water needs to be added. Such fluid grout will maintain its original volume during hardening.

### Standards :

It conforms to CRDC (Corps of Engineers' Specification) 621.

### Uses :

Grouting of machine bases/foundation, column bases/steel and precast concrete, anchor bolts, holding down bolts. Extra strength grout is used in crane and transporter rail, turbo Generator bases etc.

### Features :

- Non-shrink positive surface contact.
- No rusting, staining on exposed edges- chloride free.
- Rapid installation and early operation through faster development of strength.
- Greater durability to installed structure.
- Simple to use-addition of water only needed.
- Highly reliable quality – produced under rigid quality control.

### Application :

All surfaces should be free from dirt, dust, grease, oils, and other contaminants. Surfaces should be prewetted/ saturated with clean water for 4 to 6 hours, free surface water should be removed, before grouting with **DURAGROUT GP2**.

### Mixing :

Add **DURAGROUT GP2** powder to potable water in the ratio recommended for its consistency.

Flowable Grout	: Water/25kg grout bag	4.25 L
Plastic Grout	: Water/25kg grout bag	3.25 L

Manual mixing is not at all recommended. Use mechanical mixer like paddle or revolving drum type. Full 5 minutes mixing to get homogeneous consistency is required. Fluid grout should be placed within 20/30 minutes. In gelled material no further addition of water is allowed and should be discarded.

### Placement :

Pouring head should be used for base plate grouting. For holding down bolt in 10 cm and above diameter hole or grout bed exceeding 80 mm thickness well graded clean aggregate from 5 mm to 15 mm in saturated surface dry condition may be used along with **DURAGROUT** upto 25 to 30% of grout weight.

### Edge finish/Curing :

Plastic **DURAGROUT** may be used for edge finish. Exposed edges after 8 hours of grouting should be kept under steel plate up to 24 hours and then normal curing with wet hessian or ponding may be carried out.

### Technical Data :

Form	: Grey cementitious powder
Temperature tolerance	: Upto 200°C. for higher temp. consult us.
Power bulk density	: 1350 Kg/m <sup>3</sup>
Fresh wet Density	: 2150 Kg/m <sup>3</sup>
Co-eff. of thermal expansion	: 1.4x 10 <sup>7</sup> per (°c)
Thermal Conductivity	: 1.04 w / m (°c)
Free expansion (Linear)	: Upto 3%
Usable life at 30°C & 60% RH	: 30 minutes
Restrained pressure, Kg/cm <sup>2</sup>	: 0.04
Storage	: Keep it in a dry place
Shelf life	: 6 months
Packing	: In 25 kg poly packs
Health & Safety	: Non-toxic. Non-flammable
For free flow consistency, W/P	: 0.16

#### Typical Compressive strength, kg/cm<sup>2</sup>

1 day	: 250
3 day	: 350
7 day	: 450
28 day	: 600

Yield : 2 kg Duragrout powder is required to fill 1L cavity.

**IMPORTANT:** Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

**WARRANTY:** Our high potency products are manufactured under stringent National/International Quality Standard specifications and guaranteed against any manufacturing defect. Suggestions and recommendations are made here based on our most practical experience and exposure over 25 years in the field and are believed to be most appropriate and correct BUT no liability can be accepted by us, as the conditions of use of such products are beyond our control.

**HEAD OFFICE:** 104-106, Dimension Deepti Plaza, Plot No-3, LSC, Pocket-6, Nasirpur, Dwarka, New Delhi-110045.

Phone No.: 011-25050236, 011-25050237, Fax No.: 011-25050238

E-mail: admin@durabuildcare.com, sales@durabuildcare.com, Website: durabuildcare.com