



**BONDIT GROUT 500**

# Nexgen Construction Supplements

[WWW.BONDIT.IN](http://WWW.BONDIT.IN)



# BONDIT GROUT 500

## Non – Shrink Free Flow Cementitious Grout

### DESCRIPTION

BONDIT GROUT 500 is a specially formulated cementitious grout which has excellent shrinkage resistance and free flow properties suitable for Machine foundations. The strength ensures stable and permanent support to the load bearing areas which transfer both static and dynamic loads onto it. This has unique formulation which does not cause corrosion of machine parts, Bolts, etc. in contact with it.

### ADVANTAGES / BENIFITS

BONDIT GROUT 500 has excellent pourability and flow ability. The free flow nature gives highest contact area with the machine base plate and other load bearing areas.

It has excellent non shrink property. This volume stability ensures permanent contact with the bearing areas.

It develops high initial and final strengths and hence gives excellent support to equipment that transfers dynamic and static loads onto it.

It is easy to mix and for usage, as only water of definite quantity has to be added at site to the ready made grout. This is also free from harmful chlorides and other aggressive chemicals which attack steel and hence ensures non- corrosive supporting system.

It is compatible with concrete substrates as it has special additives and graded aggregates.

### CHARACTERISTICS

Colour	Grey
Compressive strength KG/CM2	1 Day - 110 3 Days - 290 3 Days - 290 3 Days - 290
Young Modulus	24 KN/mm <sup>2</sup>
Density	2180 KG/M <sup>3</sup>
Unrestrained expansion	1% to 4%
Expansion time (after mixing)	Stops after approx.. 160 mts @ 30°C
Flow ability under 100mm head	1000mm
Gap Width (20mm)	
Gap Width (30 mm)	3000mm
Size of cubes	70.6mm X 70.6mm X 70.6mm (IS Standard)

## CHARACTERISTICS

Temperature	30°C
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Cubes were

kept in

restraint

before testing	0.18
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water powder  
ratio

## DIRECTIONS FOR USAGE

- Before starting with BONDIT GROUT 500, ensure leak proof shuttering.
- Mix 4.5 litres of water for 25 kg pack grout at a water powder ratio of 0.18.
- When grouting thickness is over 100 mm , mix 12 mm – 5 mm washed coarse aggregate ( i.e., 50% to 100% by weight of BONDIT GROUT 500)
- After grouting with BONDIT GROUT 500 , strong vibrations of any kind should be avoided up to a minimum of 3 hours.
- Never use BONDIT GROUT 500 after 30 minutes of mixing, do not use vibrators as BONDIT GROUT 500 is a free flowing grout which does not need any compaction.

## ESTIMATION

The required number of 25 Kg BONDIT GROUT 500 bags can be calculated by considering the yield per bag = 13.5litres.

## AREAS OF APPLICATION

- Machine foundations
- Boiler foundations
- Bearing plates
- Concrete anchors
- Columns in precast constructions
- Cavities, gaps and recess
- Steel rolling mill beds
- Stanchion basin
- Pump sets.

## SHELF LIFE

1 Year

## PRECAUTIONS

BONDIT GROUT 500 is non-toxic, non-flammable. Use gloves while mixing and pouring BONDIT GROUT 500. Splashes if any should be washed with plenty of water. When it comes in contact with eyes take medical advice.

## TECHNICAL SUPPORT

Technical information and guidance regarding BONDIT range of admixtures, repairs and bonding, water proofing systems, epoxy industrial flooring systems etc., will be available from the technical services department, BONDIT CONSTRUCTION CHEMICALS PVT LTD




## IMPORTANT NOTE

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BONDIT products undergo high standard quality checks and every reasonable precaution is taken in the manufacture of all products. BONDIT continuously strive to ensure the products, recommendations, specifications & information given is reliable, correct and accurate. No specific guarantee can be assured as product performance depends not only on quality but also on many other factors which are not under our control. The customer should make his own trials to determine the compatibility of the product for his own purpose. All products are sold subject to our standard terms and conditions of sale.

## BONDIT CONSTRUCTION CHEMICAL PVT LTD.

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