



**BONDIT MICRO CONCRETE**

# Nexgen Construction Supplements

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



# BONDIT MICRO CONCRETE

## Non – Shrink Free Flow Micro Concrete

### DESCRIPTION

BONDIT MICRO CONCRETE is a specially formulated cementations concrete which has excellent shrinkage resistance and free flow properties suitable for repairs. The strength ensures a perfect bond between the old and new structure. This has unique formulation which gives the strength of the concrete

### ADVANTAGES / BENIFITS

BONDIT MICRO CONCRETE has excellent pour ability and flow ability. The free flow nature gives highest contact area and perfect bonding, does not require compaction and gives high early strength.

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

BONDIT MICRO CONCRETE develops high initial and final strengths and hence gives excellent support to the repaired structure.

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

BONDIT MICRO CONCRETE is compatible with almost all concrete substrates as it has special additives and graded aggregates.

### CHARACTERISTICS

Colour	Grey
Compressive Strength	Approx. 4 minutes with a drilling machine @ 300 rpm
Young Modulus	60 Minutes
Density	Up to 70 m water column as per DIN 1048
Unrestrained expansion	1% to 4%
Expansion time(after mixing)	Stops after approx. 160 mtrs. @ 30 deg C
Flow ability	
Under 100mm Head Gap width(20mm)	1000 mm
Gap width(30 mm)	3000 mm
Size of cubes	70.6mm X 70.6mm X 70.6mm (IS Standard)
Temperature	30° C

## DIRECTIONS FOR USAGE

Cubes were  
kept in  
restraint                      0.18  
before testing  
water powder  
ratio

## AREAS OF APPLICATIONS

- Repairing of concrete slabs
- Concrete flooring
- Jacketing
- Filling voids in Concrete structures
- Columns in precast constructions
- Cavities, gaps and recess
- Steel rolling mill beds

## DIRECTIONS FOR USE

- Before starting with BONDIT MICRO CONCRETE, ensure leak proof shuttering.
- Mix 4.5 litres of water for 25 kg pack micro concrete at a ratio of 0.18.
- When concrete thickness is over 100 mm, mix 10 mm – 5 mm washed coarse aggregate (i.e., 50% to 100% by weight of BONDIT MICRO CONCRETE).
- After pouring the BONDIT CONCRETE, strong vibrations of any kind should be avoided up to a minimum of 3 hours.
- Never use BONDIT MICRO CONCRETE after 30 minutes of mixing, do not use vibrators as BONDIT MICRO CONCRETE is a free flowing concrete which does not need any compaction.

## SUPPLY

BONDIT MICRO CONCRETE is supplied in 25 kg bags.

## ESTIMATION

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

## SHELF LIFE

One year

## PRECAUTIONS

BONDIT MICRO CONCRETE is non-toxic, non-flammable. Use gloves while mixing and pouring BONDIT MICRO CONCRETE. 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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