

## THE BCC CEMENT PVT. LTD

**BCC Cement** was launched in the year of 2007, & achieved profound success in the short. BCC Cement an ISO 9001: 2008 Certification company production facilities with well equipped labs to ensure Quality parameters.

### BCC Ordinary Portland Cement :

BCC Ordinary Portland cement is available in 33, 43 and 53 Grades. Available in the 43/53 graded cement are preferable, as it ensures complete reactivity and resulting in smooth, dense and water tight concrete, averting problems of corrosion and seepage. BCC Ordinary Portland cement is obtained by grinding the Clinker with 2% to 5% Gypsum. These are ground in an open or closed circuit ball mill to a desired fineness of 350-400 M<sup>2</sup>/kg.

### BCC CEMENT FEATURES

#### Quality control :

Rigorous quality control by a team of experts with hourly sampling makes BCC Cement nearly flawless. This careful analysis and quality control, from raw material to the final product, ensures highest standards of quality.

#### Better clinkerisation :

Higher clinker speed pre-heater equipped with pyrotop technology enables better clinkerisation and superior clinker quality.

#### Superior grinding :

Using the latest roller press and cement mill technology, equipped with VSK separator gives BCC Cement optimum fineness with consistent particle size distribution.

#### Qualified plant operators :

Qualified engineers who are specially trained at the KDH facility look after all the aspects of plant operations.

## COMPRESSIVE STRENGTH

Comparison of BCC CEMENT with Indian Standards (OPC 43 Grade)

Physical Properties Fineness (Blaine's), m <sup>2</sup> /kg	our offering 390	(IS-8112-1989) 225 Min.
Setting Time (Minutes) IST Not less than FST Not More than	65 Mins 125 Mins	30 Minutes 600 Minutes
Compressive Strength (MPa) 3 Days (Minimum) 7 Days (Minimum) 28 Days (Minimum)	25 Mpa 36 Mpa 44.5 Mpa	23 Mpa 33 Mpa 43 Mpa
Expansion (mm) Not more than	1.0 mm 0.16%	10 Max. 0.8 Max.
Dry shrinkage (mm) Not more than	0.05-0.10	(% by wt.) 0.15
Chemical Properties Loss on ignition (%By Mass) Magnesia (Mgo) (%By Mass) Insoluble residue (% By Mas) Sulphur Trioxide (So <sub>3</sub> ) (% By Mass) Chlorides (% By Mass)	1.32 % 2.47 % 1.91 % 1.75 % 0.012 %	5.0 % 6.0 % 3.0 % 3.0 % 0.1 %

## Bcc Plaster of Paris

BCC Plaster of Paris consists of gypsum hemihydrates treated with high purity gypsum and additives to achieve strength, durability and extra coverage. This product is most suitable for application on internal plastering systems like pruning of walls and ceilings, decorative designs like cornices, roses, moulding, arches as well as in false ceiling systems.

Superior whiteness of this plaster assures aesthetics of interiors and our microbic Grinding Method provides extra fineness, resulting in flawlessly smooth finish that will exceed your expectations.

The products guarantee consistency in terms of quality, setting period, coverage, purity and weight, batch-after-batch

## Advantage

- Extra whiteness makes it a perfect choice for making aesthetic designs
- Advanced technology and machinery used in manufacturing
- Better fineness due to Micronics Grinding method
- High purity Gypsum for strength and durability
- Free from silica and other impurities
- Consistency in Quality
- Superior coverage
- Smooth finish
- Economical
- Crack free

## Technical Specification

Parameter	Performance
<b>Setting Time (min.)</b>	<b>15-20</b>
<b>Density kg/m<sup>3</sup></b>	<b>800</b>
<b>Coverage in sq. ft./25 kg (8mm)</b>	<b>30</b>
<b>Whiteness (%)</b>	<b>80</b>
<b>Fineness (%)</b>	<b>99</b>
<b>Manufacturing</b>	<b>in House</b>
<b>ISO</b>	<b>Certified</b>
	<b>Certified</b>

## BCC Products Broachers

### BCC Ready Mix Plaster

**BCC READY MIX PLASTER** is a ready made mixture of Cement & Silica with right composition of high quality polymer additive.

BCC READY MIX PLASTER is specially designed for use with water to provide stronger and more durable plaster with excellent strength.

#### Preparation of BCC Ready MIX PLASTER

Add approximately, add water and 7-8 liters of water per 40 kg bag of BCC READY MIX PLASTER. Mixing should be done for 5-10 minutes depending upon the speed of the mixing equipment. The correct ratio of water and BCC READY MIX PLASTER is essential for better results.

#### Method of Application :-

Pre-wetting of surface is required before applying plaster. Clay brick masonry wall, should be saturated one day before. Apply the mix to the surface using a trowel in a smooth even motion working from the base of the surface upwards to reduce wastage.

**BCC READY MIX PLASTER** Should be applied manually using Spatula (Karni). After the application of the BCC Ready Mix Plaster Material, level with use of bigger size aluminum float and finish it with wooden trowel.

**Curing** : Water curing should be done 2-3 times for 3-4 days.

S.NO.		SPECIFICATIONS
1	Appearance	Greyish granular dry powder
2	Packaging	1/5/20/40 kgs bags
3	Storage Conditions	Dry
4	Shelf Life	6 Moths in unopened manufactures packing
5	Max. Aggregate Size	< 1.5 mm
6	Water Requirement	approx. 3 Liters for 20 kg. bag
7	Pol Life	1 Hour
8	Hard Dry	24 Hour
9	Coverage	8 Sqft / 20 kg bag @ 10mm thickness As per IS : 15477-2044 & IS 4031-(Part-6) 1988
10	Curing Time	3-4 Days
11	Compressive Strength @ 28 Days	> 9 N / mm <sup>2</sup>
12	Durability	Intial surface absorption-NIL

### Tile Adhesive

BCC Tile adhesive is grey cement based high polymer modified quick set tile adhesive. It gives excellent bond on cementitious surfaces like concrete, plaster, etc. BCC Tile Adhesive forms a waterproof barrier between two surfaces and has excellent "grab" properties. This is an ideal product for tile fixing applications. BCC Tile adhesive is used for fixing all types of tiles on interior & exterior use like external wall, floor, kitchen, bathroom wall, corridor, lobby, meeting rooms, halls etc.

#### Mixing & Application

Add clean water to BCC Tile Adhesive and mix thoroughly until a slump free mortar is obtained. One 20 kgs bag will require approximately 4-6 Ltrs. of water. The adhesive is immediately ready for use and has a pot life of 1.5-2 Hrs. no further water should be added.

**Colour : Grey**

**Pack Size : 20 Kgs. Technical Data**

Density	:	1.8kg/Litre (mixed)
Open Time	:	App. 20 minutes
Working Time	:	5 hours at + 20 °C
Setting Time	:	App. 1 Day
Full Strength	:	App. 8 Days
Shelf life	:	Dry in unopened bags 1 year

## BCC WALL CARE PUTTY

A high quality product brought to you by BCC Cement Pvt.Ltd.BCC wall care putty is the result of an uncompromising manufacturing process.A BCC wall care Putty with which you can shape your most challenging ideas for interiors & Exteriors into reality.A products that is a true investment in your chosen home or office environment. It involves heating the powder Continuously at a pre-set temperature, while simultaneously cleaning it of unwanted silica.This key process is conducted under the close supervision of our expert Quality Assurance personnel.

### Quality is Paramount

Polymer and white cement based BCC Wall Care Putty is hydrophobic and reduces capillary water absorption for years altogether without effecting water-vapour permeability.The product quickly disperses completely when stirred into water on a construction site.These properties then develop as the polymer film form.The binder containing, the hydrophobic components tends to accumulate in process, which minimise capillary water absorption.It prevents penetration of water preventing the formation of algae and mould.Plus,it affords lasting protection by forming polymer films.

### Technical Specifications :-

Parameter	Wall Power Wall Putty
Setting Time	120-180 (Min.)
Density kg./m3	1800
Tensile Strenght	1.00 (N/mm2)
Compressive Strength (N/mm2)	9
Coverage per m2 (kg/mm)	1.85
Ingredients	White Cement + Calcium Carbonate + Additives
Background	Cement Plaster/RCC
Water Demand	3:1 (Putty:Water)
Shrinkage Cracks	No

BCC Wall Putty is a white cement based wall putty for providing a smooth finish to interior and exterior walls. It has better water resistance properties, strength and durability than other available wall putty. BCCWall Putty reduces paint consumption and increases life of paint while giving a strong finish.The smooth finish gives an elegant look to your home.

White cement, polymer & advanced chemicals come together to create this magic. Polymer and white cement based BCC Wall Putty meets the most stringent demands.As the outer skin,it performs many functions.It not only decorates but protects the substrate against weathering and moisture without scaling.

BCC Putty does not need a paint primer for paint application, which makes it highly economical as compared to conventional putty and acrylic putty. What's more, it reduces paint consumption by 25-30% being smooth, durable and less absorbent as compared to conventional options. Other factors that help save you money are its high coverage and ease of application attributes.

### Application

- Apply uniformly the first coat of Wall Power wall putty with help of putty blade or trowel.
- Leave the surface to dry at least for three hours.
- Apply second coat after the first coat has dried completely.
- Total thickness of 2 coats should not be more than 1.5mm.
- To remove the application mark use fine emery paper or water proof paper.
- Use water for curing before applying paint.