



QUALITY **STEPS FOR** **BRICK WORK**

UltraTech
C E M E N T

The Engineer's Choice

USE GOOD QUALITY BRICKS. BRICKS SHALL BE

- ✓ Well burnt
- ✓ Uniform in shape, size and colour
- ✓ Produce metallic ringing sound when struck together
- ✓ Hard enough to resist scratches by finger nail on its surface
- ✓ Unbroken - when dropped from height of 3-4ft
- ✓ Should not absorb more than one-sixth of their weight after one hour of immersion in the water



Burnt Clay Bricks

POINTS TO REMEMBER

- ✓ Soak the bricks adequately in water before use, for a min. of 8hrs
- ✓ Lay the bricks on full bed of mortar and slightly press it - to ensure proper adhesion
- ✓ Bricks should be laid with frogs upward except in top layer, where the frog shall be faced downwards
- ✓ Ensure all the brick courses are truly horizontal & truly vertical
- ✓ Stagger the vertical joints
- ✓ Joint thickness should not be more than 10mm
- ✓ Joints must be raked to a depth of 12mm, to provide key to plastering
- ✓ Use Cement mortar of 1:6 proportion
- ✓ Height of construction of Brick masonry should not be more than 1m per day
- ✓ Place 6mm diameter rebars at every 4th course of brickwork in half brick partition walls
- ✓ Provide bed blocks of stone, concrete or reinforced concrete at the ends of the beam
- ✓ Provide minimum 18mm wide expansion joints after every 30-45 m length of wall
- ✓ Cure the brick work for a min of 10 days



Laying



Aligning with Plumb



Curing

CONCRETE BLOCKS ARE PREFERABLE TO BURNT CLAY BRICKS AS THEY OFFER

- ✓ **Cost effectiveness** compared to traditional system
- ✓ **Faster construction**
- ✓ **Eco friendliness** - by conserving the fertile top soil, which is used in the manufacture of burnt clay bricks
- ✓ Larger size of the blocks results in lesser no. of joints and hence saving mortar
- ✓ Increases the floor area as hollow blocks permit thinner walls
- ✓ Rough surfaces of the block makes the plastering easier
- ✓ Hollow blocks masonry has better insulating property against sound, heat and dampness due to hollow spaces



Concrete Blocks



**Call Toll free
1800-425-2525**

- To talk to our Mobile Concrete Expert *
- For Technical /General assistance
- For RMC Bookings

UltraTech Cement Limited

*Conditions apply. Services available in select cities/locations only

Central Marketing Office : Mumbai - UltraTech Cement Limited, A' Wing Ahura Centre, 1st Floor, Mahakali Caves Road, Near M.I.D.C. Office, Andheri (East), Mumbai - 400 093. Tel. (022), 66917360.

Zonal Offices : Bengaluru - "Industry House" 5th Floor, Fair Field Layout, 45, Race Course Road, Bengaluru - 560 001. Tel. (080) 22250748, 22250749. Chennai - 23, Anna Salai, Little Mount, (Above Swaraj Mazda Show Room), Saidapet, Chennai - 600 015. Tel. (040) 42328003, 42328018. Delhi - 12th Floor, Ambadeep Building, K.G.Marg, Cannught Place, New Delhi - 110 001. Tel. (011) 23315007-10. Kolkata - "Constantia" 7th Floor, 11, Dr. U. N. Brahmachari Street, Kolkata - 700017. Tel. (033) 30214100, 30214400. Mumbai - A' Wing Ahura Centre, 1st Floor, Mahakali Caves Road, Near M.I.D.C. Office, Andheri (East), Mumbai - 400 093. Tel. (022) 66928400