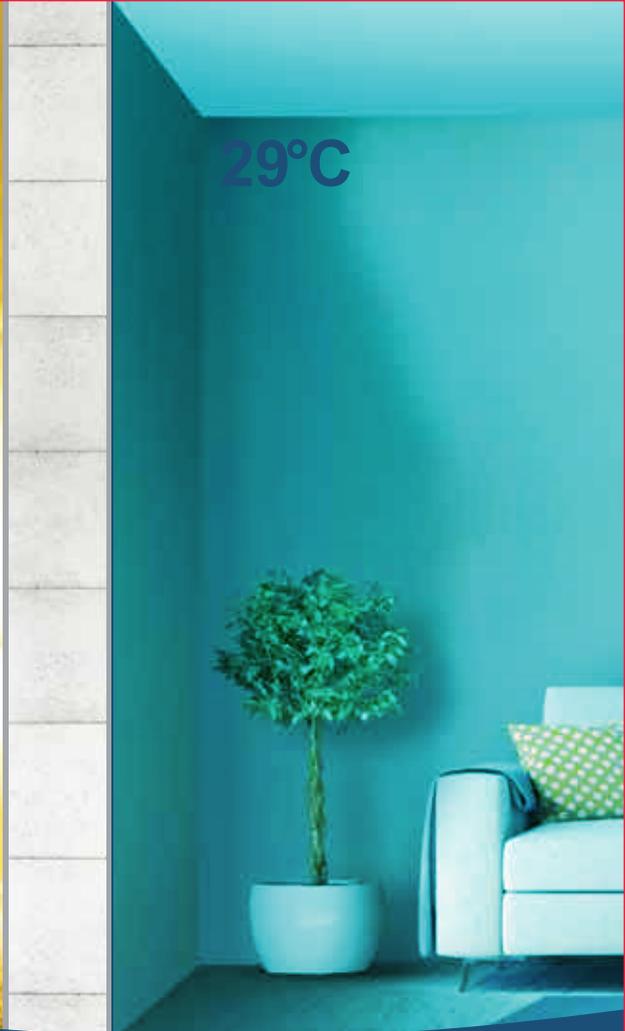


34°C



29°C

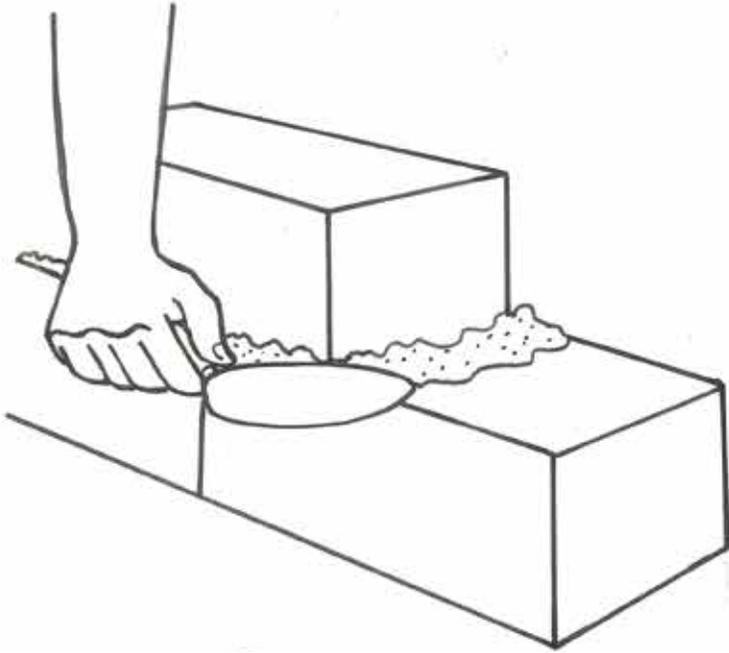


**Ambuja**

**COOL WALLS**

**Keep your house 5°C cooler.**





## **DO's & DONT's**

**WHILE USING  
AAC BLOCKS**



# ALWAYS REMEMBER:

## Level

The level from the base to the top layer should be properly horizontal.

## Bottom layer

The bottom layer should be prepared with conventional cement mortar 1:4 ratio

## Masonry Joint

Masonry to be constructed in such a way that vertical joints are not coming in continuous successive layers

## Corners

Corners need to be made first using overlapping technique.

## Chicken Mesh

Use of chicken mesh while plastering is recommended at the joints of the concrete, masonry walls and electrical/plumbing grooves

## Coping/Lintel/Bond Beam

The coping and lintel should be placed after every 5th layer of blocks (sill, lintel, slab level).

## Electrical & Plumbing Grooves

Before plastering - Depth of vertical grooves vertical  $< 1/3$  of horizontal grooves.

## Plastering Thickness

Internal and external plaster 5 to 10 mm.

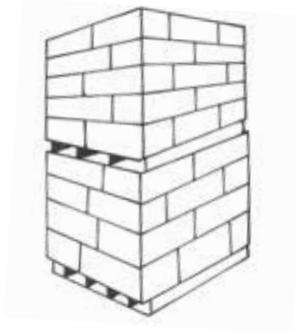
## AAC Blocks Usage

Use AAC Block above the plinth only (super structure).

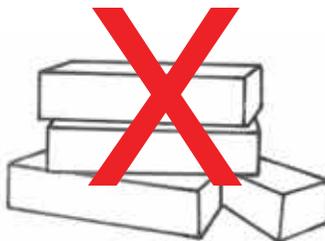
# Storage & Stacking



Store on a dry and even surface to avoid damage and contact with moisture from the ground with proper stacking.



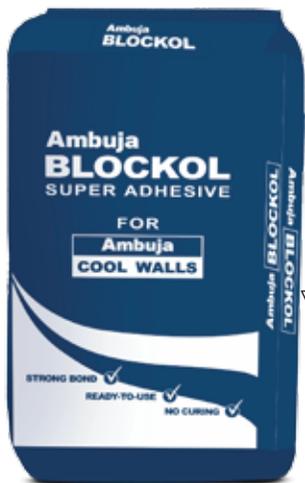
Store on uneven and wet surface without proper stacking.



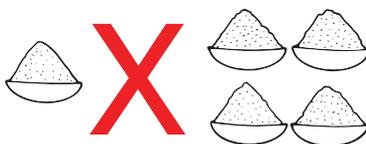
# Mortar for Masonry



Use ready to use Block Jointing Mortar – Ambuja Blockol.



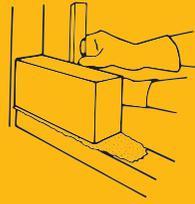
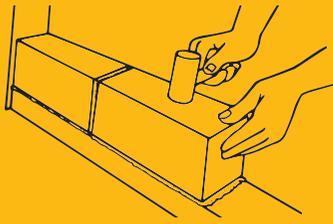
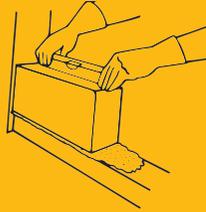
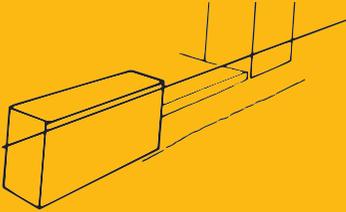
The traditional rich mix of 1:4 (Cement:Sand) will shrink and leaves the bond with the block.



- Ambuja Blockol – Block Jointing Mortar
- Ready to use
- Premix mortar
- Less thickness of joints
- No curing
- 40 Kg packing
- Strength – 8 MPa
- No sand / cement required

## Line & Level

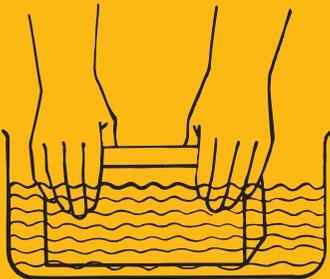
- Fixing line string before laying of block to maintain course of masonry in defined line and level.
- First course of block masonry shall be laid with greater care, making sure that it is properly aligned, leveled and plumbed using cement and sand mortar bed with 1:4 ratio
- Check level of block by spirit level or water level
- Use rubber hammer to adjust block in level.



## Lighter Moisting of Block Before Application



Dip the block in water and lift immediately / use wet cloth or sponge.



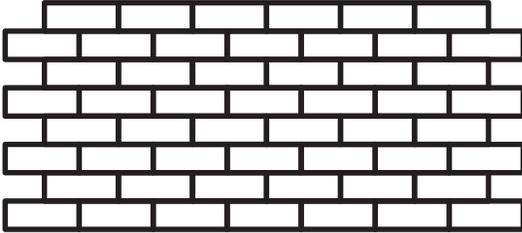
Keep it immersed or soaked for a longer time.



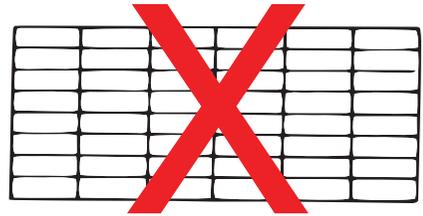
## Bond Pattern



Joint should be staggered  
/ vertical continuity of joints should be avoided



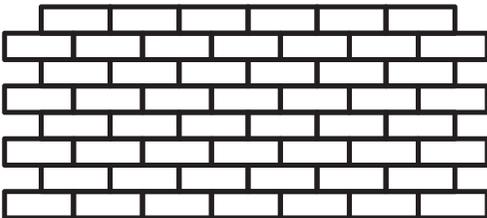
Keep lesser or vertical joints  
in same lines



## Mortar Thickness



With Ambuja Blockol,  
Joint thickness should be 3 mm



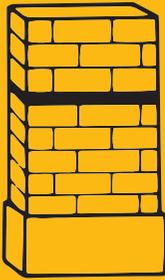
Joint thickness should be  
more than 10mm



# Coping or Bond Beam



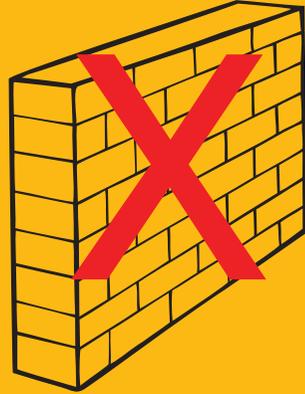
Coping or bond beam with 2 Nos. of 8mm diameter reinforcement bars after every 5 layers should be provided.



(1:1.5:3 Concrete)



Wall without coping or bond beam.



# Mortar Joints



Racking of Joints recommended for effective plaster bonding with masonry.



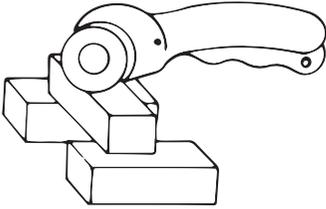
Keep flush surface.



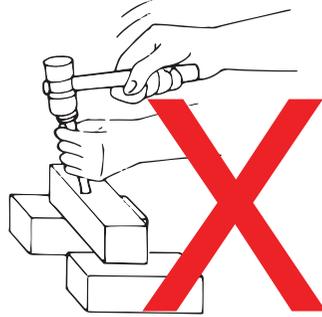
## Block Cutting



Use tools like hack saw, hand saw or rotary cutter.



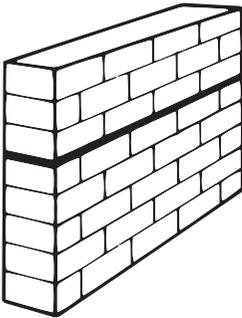
Cut blocks with hammer and chisel.



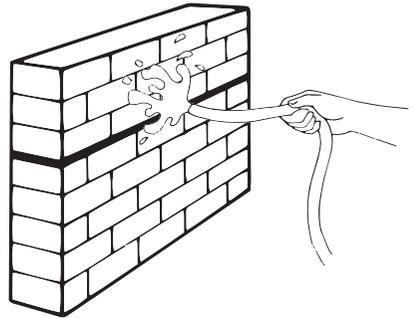
## Curing



No curing is required if Ambuja Blockol is used.



Cure the mortar if traditional mortar is used.

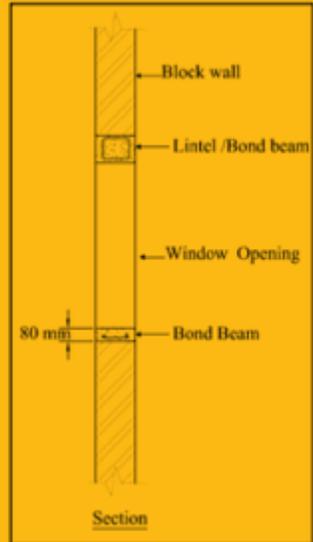
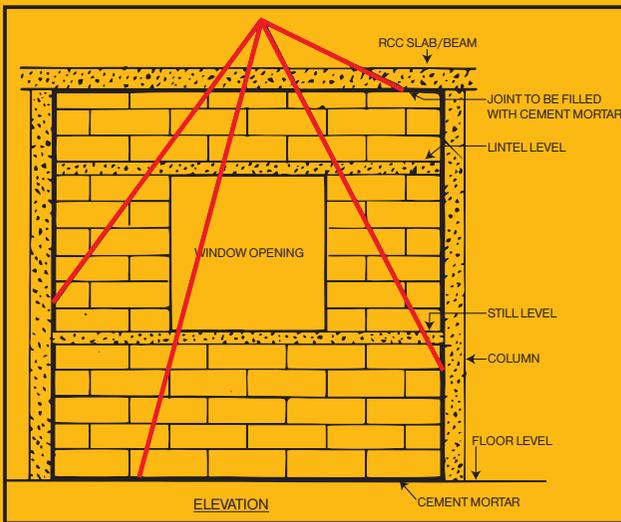


# AAC Block Masonry Wall

Use of the Conventional cement mortar at the joints between RCC & blocks is recommended to protect the wall from shrinkage. It will also reduce chances of crack development upto 90%

Following diagram shows elevation and section of block masonry wall

## Traditional Cement + Sand Mortar



# Same Price, Several Benefits



## Heat Barrier Technology

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Every block of Ambuja Cool Walls is made with "Heat Barrier Technology". Owing to this special technology, its construction from within is different, which prevents penetration of heat.



## Strength of Ambuja

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Ambuja Cool Walls are made using special concrete Ambuja cement. Therefore, it is much stronger than ordinary walls.



## Excellent Finish and Exact Making

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Ambuja Cool Walls are machine made. As such its structure is same. Therefore, your walls get excellent finish and absolutely straight shape.



## No need for Curing

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Using Ambuja Blockol Super Adhesive with Ambuja Cool Walls, no curing or tarraee is needed for these walls.

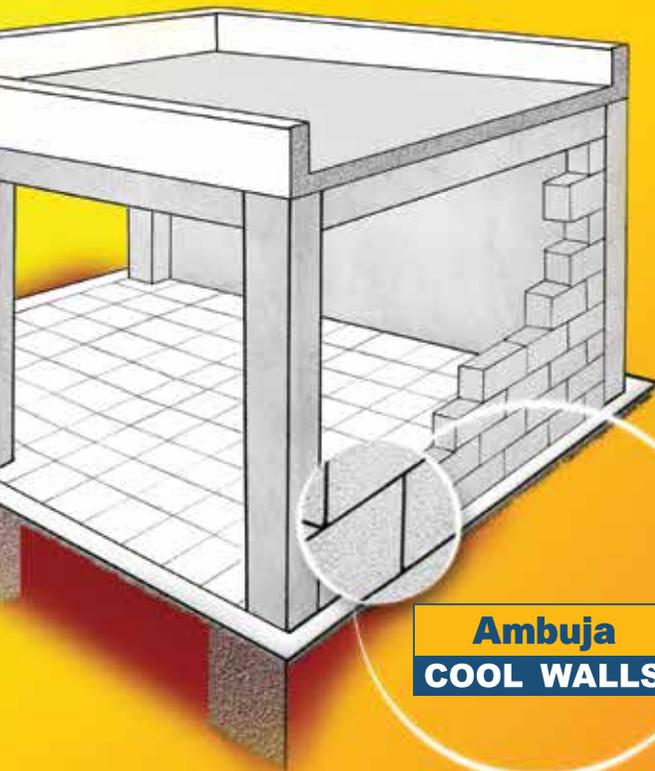


## No Efflorescence (Shora)

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There remains a possibility of developing efflorescence or white salinity on ordinary walls. However, as a wall is constructed using Ambuja Cool Walls it looks fresh and newer for a long time.

# Keep your house 5°C cooler.



**Ambuja**  
**BLOCKOL**  
SUPER ADHESIVE

*For Cool Walls*



**Ambuja**  
**COOL WALLS**



# **Ambuja CERTIFIED TECHNOLOGY**

**RIGHT TECHNIQUE | RIGHT MATERIAL | RIGHT PEOPLE**

For the best guidance for building a strong home

 **1800 22 30 10**

 **consumer.care@ambujacement.com**

