



Sustainable Walling Solutions



OUR MISSION

To provide sustainable and technologically superior building materials and solutions which would enable faster, durable, economical and environment friendly construction.

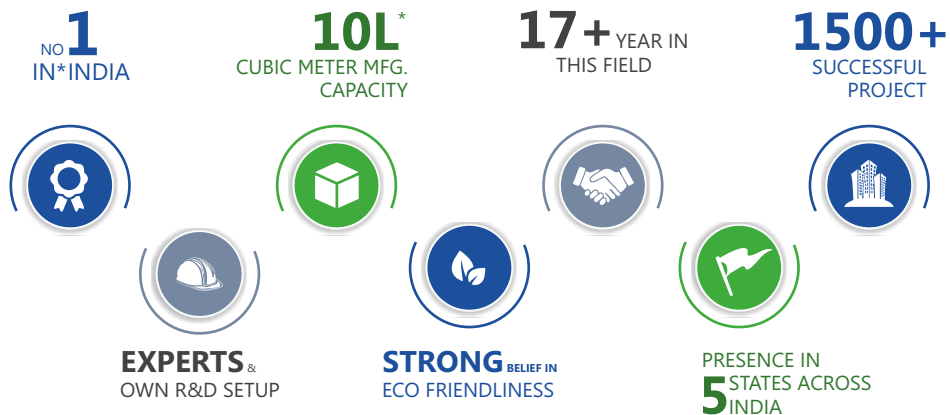
To become one stop solution for green building materials and provide sustainable walling solutions under one roof







OUR VISION



WHY US ?



OBJECTIVE

-  To Provide Eco Friendly, Sustainable and Innovative Building Materials
-  To Reduce Costs and Time to construct.
-  To Increase Productivity , Sustainability and Durability in Construction.
-  To achieve Customer as well as Employee satisfaction.



LAYING OF AAC BLOCKS SIMPLIFIED

Citadel responsibly endorses that the recommended guidelines be followed while laying its AAC blocks to achieve efficiency from its Premium blocks in terms of performance and efficiency

Step 1. Layout Wall Lines and start the levelling bed.

Lay out wall lines on building slab by control lines.

At the highest corner of the slab place a full width 1/2" deep sand cement mortar joint using a masonry trowel
(Mortar to be 3:1 Sand: Cement)



Step 2. Set the first block

Set the first corner block in the sand - cement mortar (in the level course) and adjust the level as needed. To achieve the required height, lower or raise the block by tapping down with a rubber mallet or by adding additional mortar beneath. Ensure that the top level of all blocks is at same height.

Step 3. Mix Thin-Bed Mortar

Mix approved AAC thin-bed mortar (TBM) or any standard make TBM in a clean mixing container (5-litre bucket) as per manufacturer's directions. The consistency of the mixed thin-bed mortar should be such that it flows easily through the teeth of the notched trowel leaving the shape of the teeth in the mortar bed.



Step 4. Set the second course

Set the second course adding thin bed mortar at horizontal and vertical joints with the help of notched trowel. The same is followed with subsequent courses.

Step 5. Repeat for additional corners

Repeat subsequent steps for each corner using a builder's level to maintain an equal elevation. Triple check each lead corner in all three planes.



Step 6. Normal Wall

After setting up the corners, remaining wall is built up with the proper measure so that no space is left between the blocks. An overlapping of the block is done with the center of other blocks.



Step 7. Lintel Beam over Wall openings

Provide Lintel with 300 mm bearing where required as per Guidelines laid down in BIS 6041. Lintel has to be provided on top of doors and windows. Concrete in fill is recommended where door is attached to the wall or any other method approved by Consultant/Architect.

Step 8. Band Beam

After every 5-6 level of blocks a band beam has to be made with two 6-8 mm iron rod per Guidelines laid down in BIS 6041 and a proper measurement has to be done to get the wall completely horizontal.



Step 9. Partition Wall

Ideal way to construct is following the installation procedure of making T shaped joints. In case it is not possible to construct a secondary wall; an L-angle has to be used after every two levels to provide a proper strength and support to build a secondary wall along with the main wall. Fill is recommended where door is attached to the wall.

Note: All Procedures for construction of Masonry are as per Guideline laid do BIS 6041& BIS 1905.

Tools required for AAC Masonry:

- Plastic or nylon made Anchors or any standard make. (HILTI/FISCHER).
- Carbide tipped handsaw/Rotary Cutters
- Safety glasses
- Notched Trowel to suit block thickness
- Rubber Mallet
- Sanding float.



Calendar 2020

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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19	20	21	22	23	24	25	16	17	18	19	20	21	22	22	23	24	25	26	27	28
26	27	28	29	30	31		23	24	25	26	27	28	29	29	30	31				
APRIL							MAY							JUNE						
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19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30				
							31													
JULY							AUGUST							SEPTEMBER						
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							30	31												
OCTOBER							NOVEMBER							DECEMBER						
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25	26	27	28	29	30	31	29	30						27	28	29	30	31		

Holiday List

JANUARY

DATE	DAY	HOLIDAY
01-Jan-20	Wednesday	New Year's Day
15-Jan-20	Wednesday	Makar Sankranti
26-Jan-20	Sunday	Republic Day

FEBRUARY

DATE	DAY	HOLIDAY
21 Feb 20	Sunday	Maha Shivaratri
19 Feb 20	Friday	Chatrapati Shivaji Maharaj Jayanti

MARCH

DATE	DAY	HOLIDAY
10-Mar-20	Tuesday	Holi
25-Mar-20	Wednesday	Gudi Padwa

APRIL

DATE	DAY	HOLIDAY
02-Apr-20	Thursday	Ram Navami
06-Apr-20	Monday	Mahavir Jayanti
10-Apr-20	Friday	Good Friday
14-Apr-20	Tuesday	Dr. Ambedkar Jayanti

MAY

DATE	DAY	HOLIDAY
01-May-20	Friday	Maharashtra Day
07-May-20	Thursday	Budhha Purnima
25-May-20	Monday	Eid-ul-Fitar

AUGUST

DATE	DAY	HOLIDAY
01-Aug-20	Saturday	Bakri Id
03-Aug-20	Monday	Raksha Bandhan
12-Aug-20	Wednesday	Janmashtami
15-Aug-20	Saturday	Independence Day
22-Aug-20	Saturday	Vinayaka Chaturthi
30-Aug-20	Sunday	Muharram
31-Aug-20	Monday	Onam

OCTOBER

DATE	DAY	HOLIDAY
02-Oct-20	Friday	M. Gandhi Jayanti
25-Oct-20	Sunday	Dussehra / Dasara
30-Oct-20	Friday	Milad un Nabi

NOVEMBER

DATE	DAY	HOLIDAY
14-Nov-20	Saturday	Diwali
30-Nov-20	Monday	Guru Nanak's Birthday

DECEMBER

DATE	DAY	HOLIDAY
25-Dec-20	Friday	Christmas

Our Products

AAC Blocks

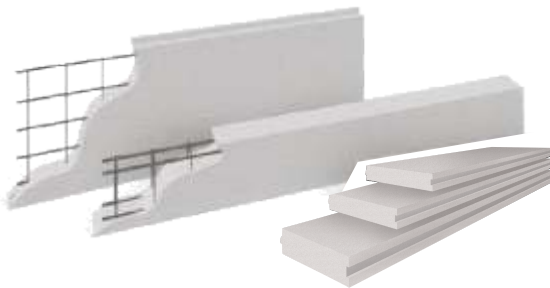


- Light Weight
- Environment Friendly
- Energy Efficient
- Fire Resistant
- More carpet Area
- Precision in sizes

ACC Blocks Size available in Market



Reinforced Wall Panels/Slabs Lintels



- Reinforced AAC Structure
- Patented Anticorrosive treatment for Reinforcements
- Unique Tongue and Groove design
- Water repellent
- 1/4th the weight of dense concrete

Our Products

GGBS



- GGBS reduces co2 by more than 95%
- No sulphate /chloride attacks
- No thermal cracks
- More durability
- 50% cost saving
- Reduces the temperature rise
- More stiffening time

Dry Mortar



- Mortar joints are hardly 3-4mm thickness
- Non shrinkage mortar
- Does not allow creation of a thermal bridge
- No pre- wetting and post curing required
- Substantial water saving

We support
**Net
Zero**

Net Zero Campaign by Citadel



Team Citadel



Team Citadel always believed in giving back to the society

We do this by contributing to reducing carbon emissions, and saving natural resources

Right from our raw material which are more sustainable, the manufacturing processes, the logistics to the e-transaction

Our walling solutions have always added value to our clients as well to the environment

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Citadel team with Mr. Anurag of Ms. Pandit Javdekar



Spreading the #NetZero message with Mr. H. Aridas of Mark Associates

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Spreading the NetZero message along with our key customers
Dajikaka Gadgil Developers with Mr. Vikrant and Mr. Swapnil



Team spreading NetZero message with Mr. Satish Kawarye of
Amarlandmarks

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Mr Ganesh of Citadel Eco Build with Mr.Ganesh Palange of SR Builders



Spreading NetZero message with Mr.Bhalerao of Avlon Group



Net Zero Campaign by Citadel

What is NETZERO approach?

NETZERO; is nothing but a ZERO net energy consumption building, OR the building producing equal energy from natural resources as it consumes

WHY CITADEL

AAC material not only makes green building, it make the buildings more energy efficient by reducing the energy consumption of HVAC further, apart from initial carbon footprints which are very low. Our material is a sustainable building material, (even GGBS), which is a referred choice, to green building and a recommended for NetZero buildings.

NETZERO approach starts from design stage to planning , building material selection , process and application and we all should take conscious efforts in promoting and adopting to sustainable methods which makes building NetZero

Using such materials would overall help in bringing the climate change goals of 1.5 degree and other environmental goals.

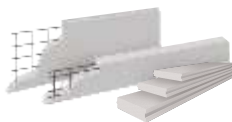
What goals?

- Global warming and Climate change
- Natural/ NON renewable resources
- Reduce energy consumption by buildings
- Reduce carbon emissions/ greenhouse gases (from process , people, material)
- Reduce embodied carbon in buildings

Citadel Products Range



AAC Blocks



Reinforced Panels/ Slabs /Lintels



GGBS



Dry Mortar



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