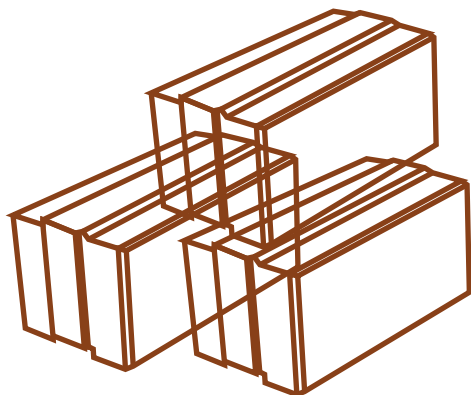


**LODO
BLOCKS**



MR. VISHNU VISHWANATH
FOUNDER



**LODO
BLOCKS**

INTERLOCKING Blocks

INTERLOCKING BLOCKS

Interlocking Blocks – as the name suggests it locks itself with the other Blocks and it is these interlocks which give strength to the wall. Interlocking Blocks is the latest advancement in Wall Construction. No cement mixture is needed for bonding. These Blocks are 'locked' against each other without the use of cement mortar, to form a structurally stable wall that reduces the cost and time of construction.



Where sand is becoming increasingly scarce and cement prices are soaring, interlocking blocks come as a welcome alternative to Home builders. This is a concept which many people are not well aware of. However, the amazing advantages of these blocks make it the need of time. Once mixture is ready according to requirement (MUD/CEMENT) then machine compressed to form high density Interlocking Blocks. They are manufactured in two widths of 6 inches and 8 inches; and are also available in varying lengths. Each Interlocking Block has grooves and locks on its sides which can be fixed with each other to form a block wall that does not need cement mortar for bonding. The roof slab that is placed over these walls will keep them structurally stable.



THE MAJOR DIFFERENCE WITH THE NORMAL BLOCKS USED FOR CONSTRUCTION AND THE INTERLOCKING BLOCKS ARE :

Interlocking Blocks are not baked; it is just in high density pressed using a pressing machine and allowed to solidify by drying naturally. Add on liquids are added for increasing the bond strength. Weight of Interlocking Blocks is more than the equivalent volume of baked Blocks.

Cost- effective, as cement and sand are not used for constructing the wall.

Less labor, intensive and more time-saving, as the Interlocking blocks need only be fixed with each other; instead of conventional cement mortar construction. Design is more blended with nature, as an artificial bonding mechanism is completely done away with.

The walls have more strength than the normal walls. (just hit the wall and listen to the sound of walls made by interlocking Blocks as well as by normal Blocks)





These Blocks do not heat up as fast as normal Blocks, hence the room will remain cool.

- The Interlocking Blocks can be salvaged without damage when the house is being dismantled in the future.
- Make sure that every batch of Interlocking Blocks arriving from the factory is tested for strength and consistency.
- Have the Blocks laid evenly with the joint of one course being in the middle of the subsequent course, so as to ensure strength of the wall.
- Plastering towards the bottom of the wall above the foundation will prevent moisture from seeping up the wall.
- It is not advisable to have Interlocking walls in areas which are prone to get wet frequently (like bathrooms). Should be plastered and waterproofing mixture to be used
- Blocks are mandatory to be build on above plinth anywhere you build.

THE MAJOR DIFFERENCE WITH THE NORMAL BLOCKS

USED FOR CONSTRUCT

Interlocking Mud Blocks – Get Ready To Save A Great Deal On Your Construction Cost

Construction and masonry are very time consuming and expensive processes. But imagine a house built with mud Blocks that can help you save a great deal on your construction cost.

A house which is low cost and keeps the temperature almost 10° cooler than outside, during summers. Doesn't that sound like a dream home?

Yes, interlocking mud Blocks are gaining a lot of popularity in the real estate industry and construction methods. The name itself suggests lock, which means these Blocks lock themselves with other Blocks and these interlocks give the strength to the wall. No cement mixture is required for the bonding. This is an eco-friendly concept, which not many people are aware of. But the amazing features and benefits of these interlocking mud Blocks make it the need of time.

Let us have a look at what makes them so popular.



BENEFITS OF INTERLOCKING MUD BLOCKS

- ❑ Interlocking mud Blocks considerably reduce the amount of building materials, cost of
- ❑ The design of the building made with these Blocks is more blended with nature, as an
- ❑ One amazing feature of these Blocks is that they have a shiny outer surface, which does not require any cement plastering. The putty can be directly applied over it and paint can be applied for the final touch. This reduces the cost of construction of the walls up to 20% - 30%.
- ❑ These Blocks are as strong as the regular mud blocks or the laterite stones and can bear maximum weight. So, whether you are planning to get a load bearing wall done or multi-storied building, interlocking mud blocks can be a great choice.
- ❑ Interlock mud construction requires less effort and fewer labor workers. For instance, as compared to normal Blocks, there is no need to check the water level. The
- ❑ These are very strong, durable and require less maintenance, as compared to standard Blocks.
- ❑ These Blocks have an earthy color, which looks amazing after applying a coat of terracotta paint and waterproof paint. They make a great choice for eco-friendly building material
- ❑ Interlocking mud Blocks do not heat up as fast as normal Blocks, hence the temperature remains 10 degrees cooler than outside. So, if the outside temperature is 42°C, these eco Blocks will maintain the inside temperature at 32°C.
- ❑ These Blocks are more resistant to earthquakes. The regular Blocks rely on mortar for their support system and when the mortar fails, the entire wall or building fails. But interlocking Blocks have their own support system, wherein the blocks support each other effectively. In many earthquake prone areas, these Blocks are recommended by the government.

BENEFITS OF INTERLOCKING MUD BLOCKS



- These are very eco-friendly and help preserve the environment. As they use less concrete and mortar, the residents of the building may not require air conditioning, due to cooler internal temperatures.
- Most importantly, they are easier to recover. If you have decided to dismantle the structure later, it is easier to recover the Blocks, without damaging them, unlike regular Blocks. In short, these Blocks offer economical construction cost, healthy atmosphere, are carbon dioxide free, non-toxic, sound resistant, have thermal advantages and are completely insect resistant.

WHAT MAKES THEM DIFFERENT FROM REGULAR BLOCKS?

Regular Blocks are baked ones, but interlocking Blocks are not baked. These are just mud in high density, pressed using a pressing machine and then allowed to solidify by drying naturally. Some chemicals are added to increase the strength of the bond.

The size of interlocking Block is approximately 2.5 times more in volume than the baked Blocks. (size is 12" x 6" x 8")

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HOW ARE INTERLOCKING MUD BLOCKS PREPARED?



Interlocking Mud Blocks are compressed soil earth blocks that are made using sand and a special kind of adhesive. The sand is first powdered in a crusher and then mixed with 3 – 4% cement, using a mixing machine. This mixture is turned into blocks with an interlocking pattern, of specific measurements using a hydraulic press machine.



At Esha's Group of Companies, we provide Interlocking Mud Blocks in three different sizes.

Length(in) Width(in) Height(in) Weight(Kg)

150W * 125H * 300L 11.5KG

200W * 125H * 300L 16.5KG

Our product makes a great solution for residential and commercial buildings, in hot climate areas. These are suitable for multi-storied buildings, driveways, pavements and boundary walls. Esha's Group of Companies – Your One-Stop Solution For Interlocking Mud Construction With more and more people turning to energy efficient ways of living, building a unique, eco-friendly and affordable house, using a mud construction is becoming a popular choice, especially in metropolitan areas like Bangalore, Delhi, Mumbai, Kolkata and Chennai.

At Esha's Group, we make your dream come true by providing strong, durable and eco-friendly interlock mud construction at very affordable prices. We construct



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