



the natural choice
a beautiful, healthy alternative to traditional bricks
and cement based products



**beautiful
comfortable
healthy
fire resistant
customisable**



Features & Benefits:

Beautiful earthen finish:

Having the natural appearance of compressed earth, they can be left raw; displaying the natural colours and textures of the soil used. However, if desired, our blocks can also be rendered over using a breathable lime or clay plaster.

Thermal Comfort:

Acting as a thermal battery, their 'mass' absorbs the ambient temperature and slowly releases it, balancing out the high and low temperature fluctuations. A great example is in solar passive house design, positioning a block wall to receive the winter sun to store this warmth for the cold evenings.

Healthy:

Earth walls absorb excess moisture, which reduces the potential of mold and allergens to develop. These benefits combined with the fact that our blocks contain no toxic chemicals or VOC's create a truly healthy product.

Fire resistant:

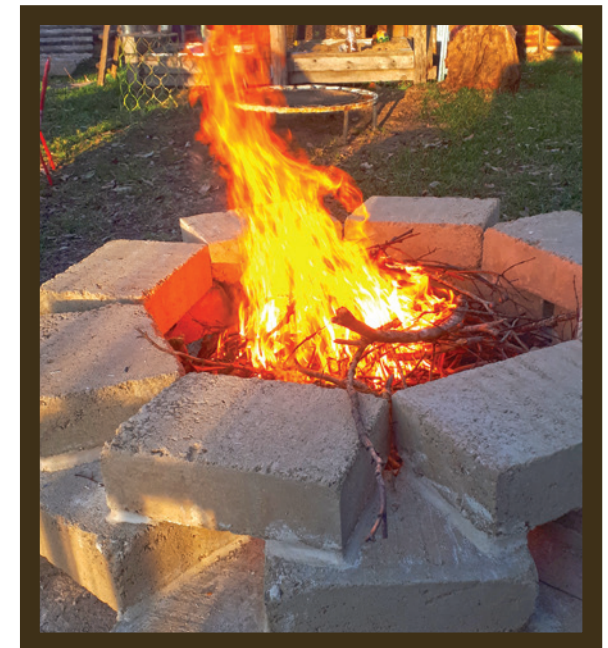
Made from non-combustible materials, ideal for building in bushland and fire prone areas.

Low embodied energy:

Produced through the compaction of local soils our blocks are not kiln fired. They require little to no cement due to the bonding characteristics of clay.

Customised to order:

At Mudtec we love and encourage creativity and are happy to work with you to create something unique. Striking results can be achieved by using different soil mixes, adding colourful oxides or changing the block height.



load bearing
brick veneer
feature walls
thermal mass storage
landscaping



Applications:

External or internal load bearing applications:

Mudtec blocks can be laid in either a 250mm or 350mm thick wall depending on what is required. A double block wall can be laid if a greater thickness is required by engineering or if insulation is to be incorporated internally.

Non load bearing or brick veneer applications:

Mudtec blocks can be installed as an 80mm thick veneer externally or as a reverse brick veneer (internal). or on edge for an infill or partition wall achieving a wall thickness of 120mm.

Feature walls:

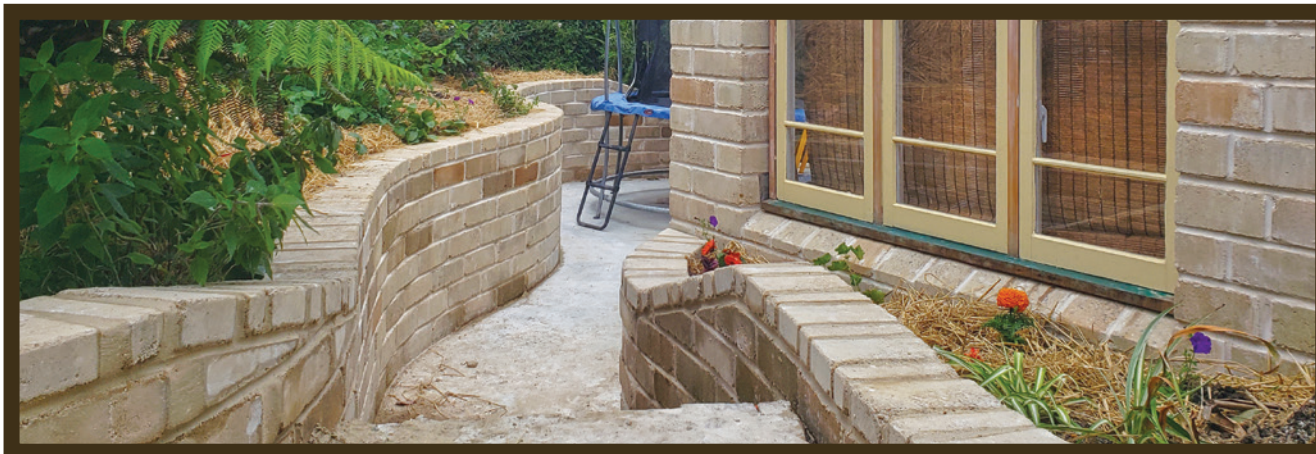
Colour and texture rich, Mudtec blocks provide a unique opportunity for a feature wall.

Thermal mass storage:

An internal feature wall can also double as a thermal battery, helping to maintain a constant comfortable temperature all year round

Landscaping:

As a result of the durability, strength and natural appearance of our blocks they have been used as retaining walls, and garden beds.



Case Study

Reverse Brick Veneer Home Narara Ecovillage

Designer
Delisle Hunt Wood Pty Ltd

Builder
Lou Projects

Block Type
Standard Holey + Solid blocks

Block Size
110mm high x 350mm long
x 250mm deep



Our Projects Online

Dan and Deborah, with their architects at *Delisle Hunt Wood Pty Ltd*, have created a beautifully efficient home with high-quality natural materials. Our blocks have been used internally in a reverse brick veneer construction, utilising standard timber framing and clad externally in *Weathertex* cladding.

Mudtec Blocks provide internal thermal mass to help regulate and stabilise internal temperature. This thermal mass, or thermal battery as it's sometimes referred to, is insulated from the external temperature variations by *Life Panels' Pavaflex* wood fibre bulk infill within the timber framing. The whole house is sealed in a breathable thermal wrap by *Pro-Clima* before being clad for that final layer of protection. Not only do our blocks help stabilise temperature, but due to their 'breathability', they help regulate humidity, providing a more well-rounded thermal comfort.

This construction method is ideal for producing high performance passive thermal comfort with the correct solar orientation and window placement. **Mudtec Blocks** feature in almost every room of the house and will look great in a variety of finishes, bagged, rendered, and sealed. Sustainable Building Design with attractive and durable materials go hand in hand to make the house look beautiful and create a calm environment for their family home.





*blocks with holes,
or solid blocks,*



Product Guide Online link

Product Guide

In general Mudtec produce 2 types of blocks, with holes and without holes. Each of which can be stabilized, or un-stabilized, depending on their use and requirements.

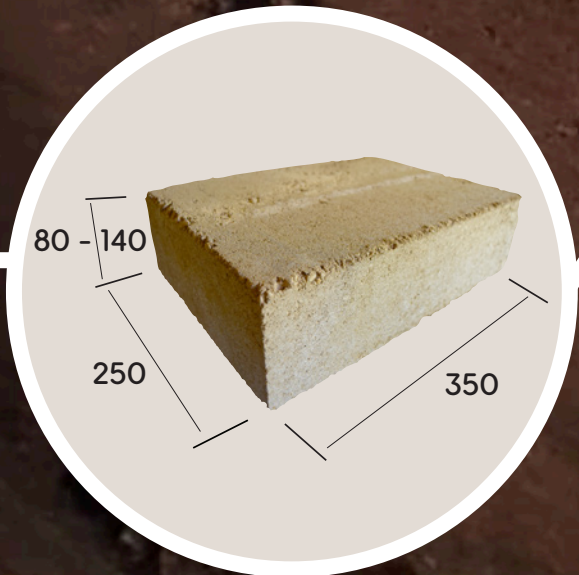
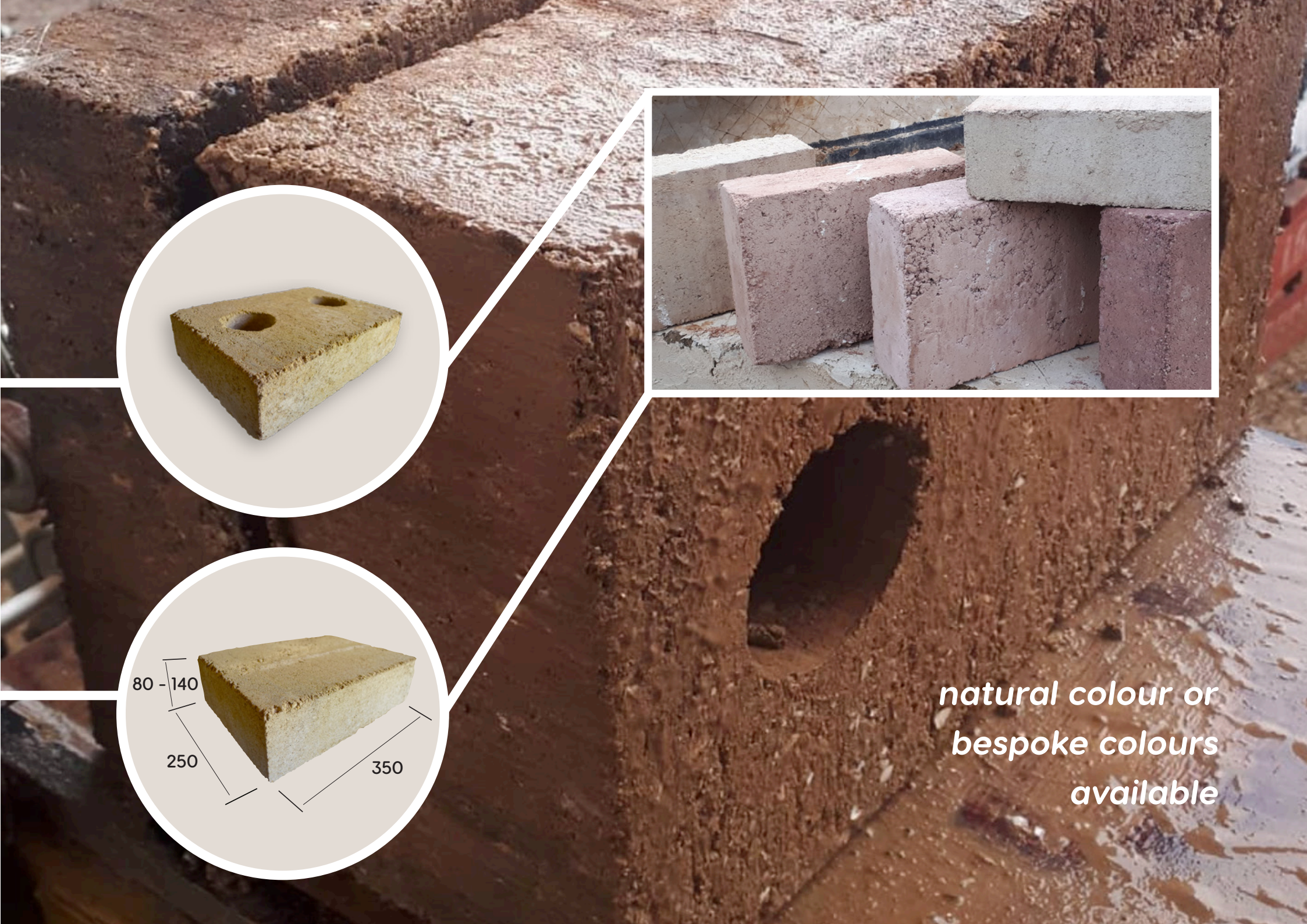
Blocks with holes

- The holes are great for linking the slab to the walls using rio or likewise for linking the roof to the wall or slab.
- Through careful planning services also can run through these holes (such as electrical conduit).
- The holes provide a block that is easier to handle as you can use the holes to grip the block and it is slightly lighter than our solid block.

Solid blocks

- The solid blocks have the advantage that they can be installed on their side to create a thinner faster to install wall, such as an internal wall.
- They also have a slightly greater thermal mass than our blocks with holes.

Note: Our common size is 90mm high x 250mm x 350mm, however the thickness of the blocks can be adjusted between 80mm to 140mm for special orders.



*natural colour or
bespoke colours
available*

external solid wall

insulated face

insulated cavity

brick veneer

reverse brick veneer



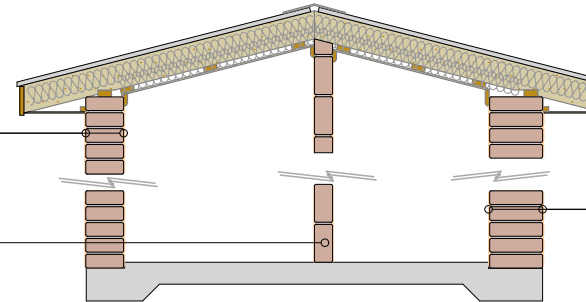
Construction Application Download

Construction Options

250mm external wall

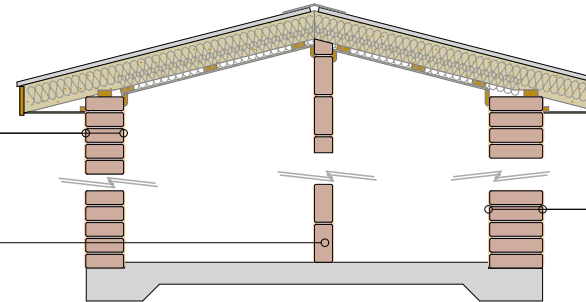
Natural CEB finish with clear breathable sealant or lime/earth render. (Structural)

110mm internal wall. Natural CEB finish with clear breathable sealant or lime/earth render. (Non structural)



350mm external wall

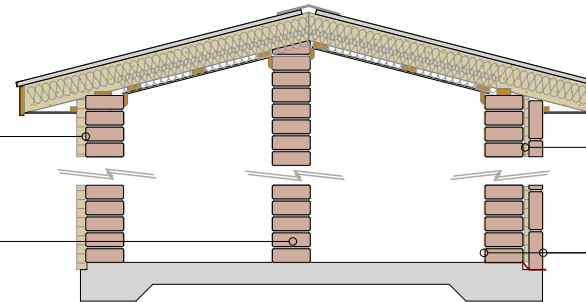
Natural CEB finish with clear breathable sealant or lime/earth render. (Structural)



Insulated face

250mm or 350mm thick CEB wall. Breathable insulation board fixed to CEB. Lime render or battens and cladding to finish

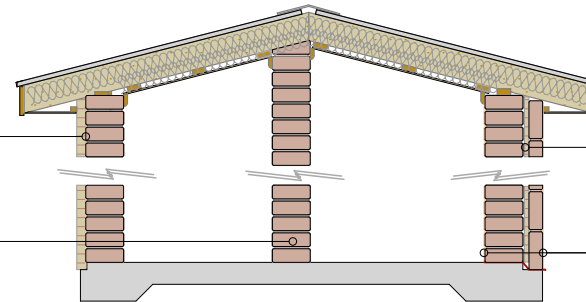
250mm internal wall. Natural CEB finish with clear breathable sealant or lime/earth render. (Structural)



Insulated cavity

Insulation board in cavity, tight to exterior layer. Air gap to allow for breathability of internal block wall. (Structural)

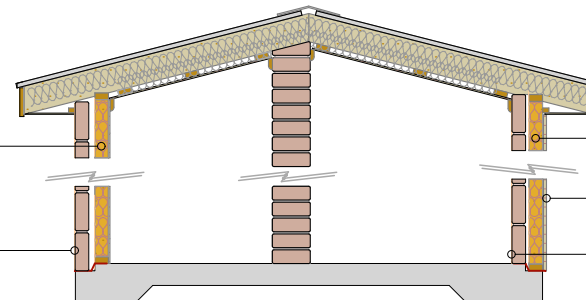
Natural CEB finish with clear breathable sealant or lime render.



Brick veneer

Timber frame with natural/ breathable insulation.

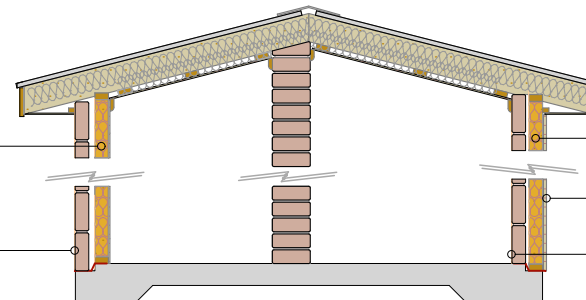
Natural CEB finish with clear breathable sealant or lime/earth render.



Reverse brick veneer

Timber frame with natural/ breathable insulation.

Breathable wrap and cladding system
Natural CEB finish with clear breathable sealant or lime render.





Next Step...
talk to us today



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Sommersby, NSW 2250

Call: 0404 816 233

[instagram.com/mudtecbricks/](https://www.instagram.com/mudtecbricks/)



mudtec.com.au



MUDTEC acknowledges the traditional owners of the lands where we live, learn, love + work. We pay respects to their Elders past, present and emerging.