

13 Excellent Reasons to Build in Rammed Earth...

- J · *Fire proof*
- J · *Pest proof*
- J · *Great insulation*
- J · *Cost effective*
- J · *Durable*
- J · *No maintenance*
- J · *Great sound barrier*
- J · *Healthy*
- J · *Environmentally friendly*
- J · *Suits most styles*
- J · *No painting necessary!*
- J · *Range of colours and textures*
- J · *Rock solid in a storm*



Rammed earth suits different styles and situations



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 **RAMMED EARTH CONSTRUCTIONS** P/L

Rammed Earth

A stylish, durable and practical alternative to brick or timber, providing exceptional protection from heat, cold, wind and noise.



"I will always remember the care and effort that you gave to making the rammed earth walls such a stunning success. The house will be standing when we are not, as a testament to your good work." — J Munro

Why settle in less?

Naturally the best...



FIRE PROTECTION: Earth doesn't burn. If your home is threatened by fire you won't have to worry about your rammed earth walls catching fire or collapsing. It is an ideal building material in leafy suburbs and rural areas. CSIRO tests show that a 250mm rammed earth block wall achieved a 4 hour fire resistance rating. A 150mm wall achieved a rating of 3 hrs 41 minutes. The walls we build are even stronger, being 300mm thick and of monolithic rather than block construction (so have no vulnerable mortar joints). Your home's exposure to fire and heat is radically reduced.

PEST PROOF: Termites, pests and other vermin can't eat rammed earth. There are no hidden wall cavities for them to live in undetected. There is no framing timber in the walls for them to attack.



INSULATION: The external walls in our rammed earth buildings are 300mm thick – that's a foot of earth between you and the outside world, providing excellent protection from temperature fluctuations. Such thermal mass means that you'll be snug in winter, cool in summer.

LOW MAINTENANCE: Rammed earth needs no finishes, so you will never have to paint again! (But you can paint them if you really want to!)

DURABLE: Rammed earth has proved its durability over the centuries. Our own earth 'mixes' have been tested in scientific laboratories for erosion and strength, with outstanding results. Our experience in soil selection and our modern methods of construction provide exceptionally strong and durable walls. All our walls meet building regulations as specified in the *Building Codes of Australia*.



SOUND BARRIER: 300mm of solid earth creates an excellent sound barrier, as well as fantastic acoustic qualities. CSIRO tests give a sound transmission rating of over 50 decibels for a rammed earth wall of 250mm. It is particularly useful between sleeping and entertaining areas, and to block out outdoor noise.

COST EFFECTIVE: Unlike some other forms of masonry, rammed earth walls don't need core filling or reinforcing. Nor do they need gyprocking, plastering, painting or wallpapering. This saves money and energy when you build – and goes on saving them for years!



*"Thanks for making the process as wonderful as the home we could not be happier with."
— E Allan and A Mankiewicz*

LOAD BEARING: Rammed earth walls are load bearing and provide substantial bracing. This will save you money when building and reduce your exposure to fire and pest attack.

HEALTHY & ENVIRONMENTALLY FRIENDLY: Rammed earth is non-toxic, non-polluting and 'breathes', making safer, more people-friendly buildings. It is very low in embodied energy, and extremely comfortable to live in.

STYLISH: Rammed earth is a natural product which blends with the environment and other natural building materials particularly well. Yet it also looks stunning with man-made materials such as iron – a combination used in several award-winning homes.

VERSATILE: Architects are using rammed earth in commercial and domestic buildings of many styles and for many functions. Variations in texture, colour and finish are possible, and elements such as relief details, circular windows, alcoves and feature stones can be incorporated.



NB: Colours and textures shown are an indication only, not exact renditions or the full range possible.