

# Steel.

- Free quotes
- On-site installation
- Full installation details
- Trade training
- Direct sales in a range of products
- Competitively priced
- Delivered on time
- Fully engineered
- Precision built
- Termite and borer proof
- Non-combustible
- Light weight



'The Smart Way To Build'

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## The advantage.

*The increase in the use of steel framing for domestic housing construction is far from surprising. The benefits of building with steel have long been recognised in commercial construction by architects, engineers and builders alike. The consistent quality and precision and incredible strength to weight ratio make high tensile steel the ideal building material.*

*As production techniques have been further refined and new technologies emerge it is only natural that steel framing is establishing itself as the preferred framing product in the domestic market.*

*It is at the design stage that new home buyers need to make vital decisions about which framing material to use. Health, safety, cost and of course appearance all need to be considered. Whilst many aspects of the home such as fittings and fixtures can be changed during construction, the home's 'skeleton' is a once only decision.*

*Steel Frame Solutions' extensive knowledge and experience in the manufacture and supply of steel frames ensures unsurpassed consistency, accuracy and quality. We are dedicated to using and developing leading edge technologies, and will continue to invest in dedicated state of the art systems and processes to ensure we remain at the forefront of an industry segment that will undoubtedly overtake timber.*

*These are just some of the reasons why Steel Frame Solutions is fast becoming the preferred choice for more and more astute customers.*



'The Smart Way To Build'



### Design

Steel Frame Solutions uses the latest technology to ensure our products are of the absolute highest quality.

The inherent flexibility of steel during the manufacturing process allows us to turn any architectural plan into a steel frame without the need to alter the design.



### Performance Criteria

Every Steel Frame Solutions frame is structurally certified by a dedicated engineering package. The certification is based on the requirements set out by the relevant Australian Standards, National Association of Steel Framed Housing (NASH) Standards and the Building Code of Australia.

Steel Frame Solutions is also a Quality Endorsed Company under ISO9001:2000.



### Termites

Termites simply can't destroy a Steel Frame Solutions framed home. Your investment is completely safe, and more importantly so too is your family. Steel frames are completely chemical free, and in accordance with the Building Code of Australia, because termites can't eat steel there is no need for the repeated use of toxic chemical treatments. Steel frames are safer for the environment and your family.

### Borers and Fungal Rot

Many don't realise the severe damage borers and fungal rot cause to timber frame constructions, and unfortunately mechanical and most chemical barriers are powerless to stop borer attack and fungal rot.



### Strength

Steel possess the highest strength to weight ratio of any current residential building material, making steel frames very lightweight but incredibly strong.

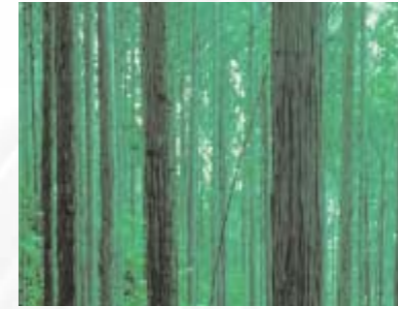
Made of high tensile steel they are engineered to achieve a very high efficiency of material use.



### Fire Safety

The CSIRO Division of Building Research in Victoria produced a paper outlining the recommended features of a house with high fire-resistance.

The two major recommendations were the elimination of timber and the use of steel frames and steel roof trusses, as white pine used in timber framing ignites at 280° C, whereas non-combustible steel will maintain its strength to at least 400° – 500° C.



### Healthy Home

With the incidence of asthma and sensitivity to chemicals on the rise, steel frames provide the ideal basis for the 'healthy home' concept.

If used in conjunction with special window seals, moisture barriers, insulation and house ventilation systems, steel frames can be used to achieve allergen and dust free interiors. As steel maintains its original dimensions it ensures effective, long-term sealing.



### Environment

Steel framing isn't just good for your home, it's also good for the environment. Steel framing is 100% recyclable and currently 60% of all steel used in Australia is made from recycled steel. To put steel framing into perspective, an average house frame can be fabricated by recycling around 6 cars, whereas up to 50 trees have to be felled for a timber-framed home.

Steel recycling programs reduce the solid waste stream, reducing landfill space and conserving natural resources. Steel framing does not contribute to the loss of native habitat, does not require the use of pesticides and herbicides, and will not contribute to the downstream effects when planting introduced species of trees on large tracts of land. Finally, as steel frames are fabricated to exacting specifications for each individual job, there is minimal waste.



### Compatibility

Steel Frame Solutions frames are compatible with all other building products, including internal and external linings. As steel framing expands and contracts at rates similar to other building materials there is very little chance of cracking or other problems.

For example, the linear expansion of plasterboard is far closer to that of steel than that of timber.



### Steel Frame Quality - More than Meets the Eye

The frame of your house is hidden from view. Yet it determines the quality of your home in both the short and long term. For instance ask yourself:

- How flat is your ceiling?
- How straight is your roofline?
- Have nails popped in the plasterboard?
- Can structural pests cause extensive damage?



### Snap Shot -The Benefits

- 100% termite proof
- 100% borer and fungal rot proof
- No need for expensive chemical and mechanical barriers
- Durable, strong and lightweight
- Straight and true, will not warp, sag or shrink
- Doors and windows will not stick or jam
- Roof lines, ceilings and walls remain straight
- Environmentally considerate
- 100% recyclable
- Non-combustible, will not contribute to the spread of fire
- 50 year warranty\*
- Engineered for life

\* Bluescope Steel-Australia offers a Steel Building Frame Warranty - TrueCore® Steel 50 years. This states in part that the frame manufactured from TrueCore® Steel ("Framing Componentry") "shall be warranted from structural failure solely caused by corrosion for 50 years from the date of installation.