

Axxis<sup>®</sup>

# Steel lets you breathe easy

Steel framing  
for the **Homeowner**





# A healthy home

Axxis® steel has been recognised by the Asthma Foundation of New Zealand as a “sensitive choice”. Our product doesn’t support the growth of mould or rot, and the stability of steel protects against cracked linings and cladding. It doesn’t emit gases or other vapours.





# A better quality home

We all want healthy houses that last. By framing your house with Axxis® steel you'll be creating a strong, healthy home that stands the test of time.

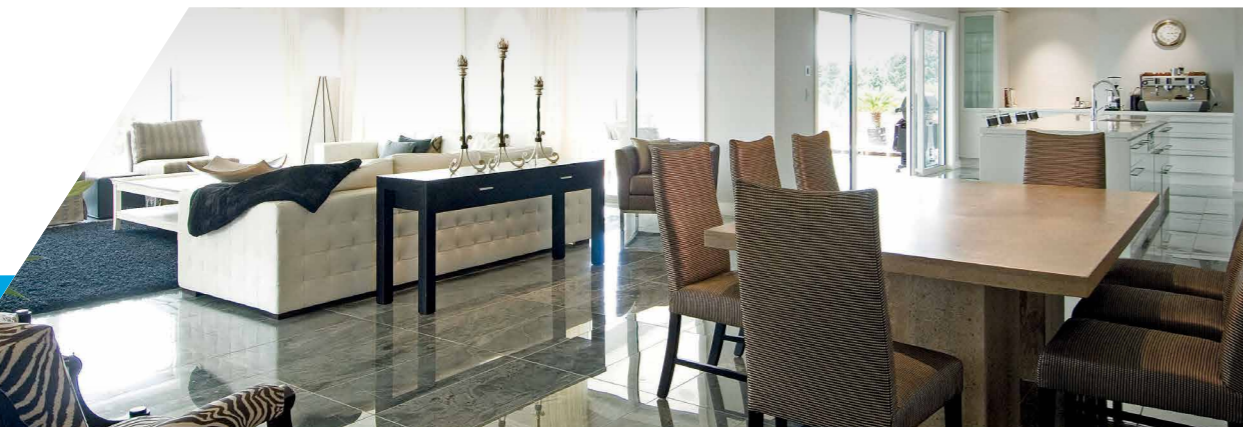
## BUILT TO LAST

A house framed with Axxis® steel is strong, straight and built to last. Made by New Zealand Steel, Axxis® steel is designed for New Zealand houses and made from galvanised, high tensile steel.

Steel is solid and reliable, and doesn't twist or warp as a result of moisture. A house framed with Axxis® steel helps ensure plumb walls, square corners and flush surfaces for its entire life.

## THE STRENGTH OF STEEL

Axxis® steel won't support the spread of fire and has outstanding earthquake resistance. Axxis® steel won't rot or support mould growth, and it won't suffer from borer or other insects. It's galvanised to protect against corrosion in a well-constructed house.





# Peace of mind

Our 50-year Durability Statement: Axxis® steel has been developed and tested by New Zealand Steel, for New Zealand houses. Perfectly suited to New Zealand's conditions, this steel is galvanised with a zinc coating for protection. We're so confident in our product we offer a 50-year durability statement. You can trust that Axxis® steel will stand the test of time.

## VERSATILITY OF DESIGN

Steel framing opens up a wide range of design opportunities. Steel framing is strong and light, giving it excellent spanning capability and affording more design freedom to cost-effectively create wide, open spaces.

## 100% RECYCLABLE STEEL

Axxis® steel is manufactured in New Zealand from local west coast ironsand, with a component of recycled steel. Steel frames are made with minimal wastage and can be recycled again and again without losing strength.

## VALUE FOR MONEY

When you build with Axxis® steel you're using a top quality product. Combined with the rollforming technology behind steel framing, Axxis® steel provides the bones for a straight, strong and stable house. Framing made with Axxis® steel is a comprehensive system that is cost-competitive with timber framing.





# More reasons you can count on Axxis® steel

Using Axxis® steel in your house is a move that you can be confident in for years to come. Hundreds of homes across New Zealand are built with steel framing, and every house framed with Axxis® steel has the backing of New Zealand Steel.

## NEW ZEALAND STEEL: A COMPANY YOU CAN TRUST

Axxis® steel is manufactured by New Zealand Steel, the company behind COLORSTEEL®. For decades, thousands of Kiwis have chosen New Zealand Steel for their roofing needs, and COLORSTEEL® has become one of this country's favourite and most trusted roofing brands.

## EXTENSIVELY USED IN NEW ZEALAND

Hundreds of homes in New Zealand are built every year on a frame made of steel. It has become a common way to build, with steel framing in New Zealand going right back to the 1960s.

## USED BY THE BEST

Steel framing is used by independent builders for one-off architectural designs as well as homes by nationwide builders like Golden Homes.

## MADE IN NEW ZEALAND

Axxis® steel is manufactured right here in New Zealand, by New Zealand Steel at Glenbrook, just south of Auckland. It is made using locally sourced ironsand.

# Frequently Asked Questions about Axxis® steel:

We understand you might have some questions about the Axxis® steel product. Most of those should be covered here, but more information can also be found at [www.axxis.co.nz](http://www.axxis.co.nz)

## DOES A HOME BUILT WITH AXXIS® STEEL LOOK ANY DIFFERENT?

No, there is no difference in the finished look of a home that has a steel frame. Steel frames are compatible with concrete slabs and other sub-floor construction, as well as any type of wall, ceiling and roof materials. Steel has a very high strength-to-weight ratio, making it excellent for spanning and providing more freedom to design and create wide, open living spaces.

## CAN I CONVERT MY PLAN FROM TIMBER TO STEEL?

Even if your house plans are already drawn up to include timber framing, it's a small change to switch to steel. You'll be surprised at how competitively priced the steel option is, especially considering the benefits that come with an Axxis® steel framed house.

## CAN I EXTEND OR CHANGE MY HOME AT A LATER DATE?

As strong and immovable as a steel frame is, it's still relatively easy to make alterations and additions to a steel framed house. What's more, with the versatility and strength of steel, lining up new alterations and additions will be easy.

## HOW ENVIRONMENTALLY FRIENDLY IS AXXIS® STEEL?

Axxis® steel is manufactured in New Zealand from locally sourced ironsand and a component of recycled steel. The rollforming technology behind steel framing means the product is fabricated to the exact specifications of each home, which means minimal cutting, wastage and less environmental impact. Axxis® steel doesn't emit gases or vapours and steel is 100% recyclable.

## IS IT ELECTRICALLY SAFE?

It couldn't be safer. Standard practice is to earth steel frames, so even if they are exposed to a live wire the earthing trips the residual current safety switch to reduce the chance of electrocution. In fact a steel frame offers better protection in a lightning storm than any other, as any charge to hit the frame will be redirected to the ground, reducing the likelihood of fire or injury.

## HOW DO I HANG PICTURES OR OTHER WALL MOUNTED OBJECTS?

Just like timber framed walls, lightweight pictures can be hung from adhesive hooks or on nails. Heavier pictures should be hung with screws or specialist nails to a steel stud.



# Interested in building with steel?

Building your house using Axxis® steel enables a strong healthy home finished to the highest possible standard. Whether you want an architecturally designed home, or a design-and-build, there are quality builders and designers around the country who can make your dream come true using Axxis® steel.

## HOW TO FIND A BUILDING PROFESSIONAL TO DESIGN OR BUILD WITH AXXIS® STEEL

To find a building professional who works with steel framing please visit [www.axxis.co.nz](http://www.axxis.co.nz)  
There you'll find a full list of contacts including Registered Master Builders, Certified Builders, architects and designers. The geographical search tool will help you find the nearest professional for you.  
If you've already got a builder, architect or designer but they don't have previous steel framing experience, the fabricators listed at [www.axxis.co.nz](http://www.axxis.co.nz) will be able to walk them through the process and display just how simple Axxis® steel is to work with.

New Zealand Steel is the manufacturer of AXXIS® steel. Rollforming and fabrication is undertaken by independent specialist steel frame and truss fabricators. New Zealand Steel is not responsible or liable for rollforming, fabrication or subsequent installation.  
Buyers and users of New Zealand Steel products and services must make their own assessment of the products for their specific project conditions. All queries regarding product specification, purpose or application should be directed to New Zealand Steel, phone +64 9-375-8999.  
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# Selecting a fabricator

Find your local steel frame and truss fabricator at [www.axxis.co.nz](http://www.axxis.co.nz)

To decide which fabricator is right for you, talk to them about:  
> the steel framing system they use. Every system has its own subtle differences  
> their geographic coverage relative to where you are building  
> whether they supply only, or if they can erect frames and trusses for you  
> the support they provide, for example on-site training  
> references from other builders they have worked with  
We recommend using fabricators who are members of the National Association of Steel Framed Housing (NASH).

## NEW ZEALAND STEEL LIMITED IS THE MANUFACTURER OF AXXIS® STEEL.

Steel for framing, rollforming and fabrication is undertaken by independent specialist steel frame and truss fabricators. New Zealand Steel is not responsible or liable for that rollforming, fabrication or subsequent installation. This brochure is not intended to be used as technical evidence for the use of Axxis® steel.  
Steel for framing technical advice should primarily be obtained from your frame and truss fabricator with additional advice, including compatibility of materials, available in the New Zealand Steel Durability Statement. The information contained in this brochure is current as at May 2015 and is based on data available to New Zealand Steel Limited at the time of going to print. This publication replaces all previous Axxis® steel builder brochures.

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