

STEEL FRAME KITS FOR BUILDERS



**SPARK HOMES
PRE-FAB STEEL FRAME
QUICK BUILD
TECHNOLOGY**

Home building kit contains complete set of essential parts
this includes Pre-Engineered HDG Steel Frames & accessories.

- CUSTOMIZED
- FAST BUILD
- COST-EFFECTIVE
- ECO-FRIENDLY
- UV RESISTANT
- FIRE RESISTANT
- ENERGY EFFICIENT
- HIGH STRENGTH
- LONG DURABILITY
- TERMITE PROOF

Watch Youtube link for
Quick build Solution on

[PRE-FAB STEEL KIT HOMES](#)



****Distributorship
enquires are welcome**

100% TERMITE PROOF TRUECORE Completely termite proof, Recyclable, non combustible, to ensure our customers are rest assured the structural integrity of the dwelling will not be compromised by the pests.

PREASSEMBLED STEEL FRAMES: Framing can be completed quickly by just bolting it together on site. This results in least installation costs for the customer.

RECYCLABLE MATERIAL: Highly sustainable & 100% recyclable, Steel is environmentally sustainable material. Its long life conserves valuable resources and reduces energy consumption.

STRAIGHT AND TRUE Eliminating the risk of jammed doors and windows will not shrink, rot, warp, or sag or twist, reducing the risk of cracking cornices, bowed internal wall, and sagging roof lines can be engineered for all wind rating and manufactured.

STRENGTH OF STEEL High strength ratio compared with other inferior building products, it's easy to see why steel is the favored choice when it comes to strength.

NON COMBUSTIBLE Unlike other building materials, A house frame made from TRUECORE steel is non-combustible and will not ignite.



SPARK HOMES Leaders to innovative game changers in



SPARK HOMES INTRO

Reports suggest that the average Australian house takes from four to twelve months to build. Spark homes is smashing that average & now offering clients within a week lock up time for conventional homes on your concrete slab . As leaders in innovation, we at Spark Homes are taking home building into 2020 and beyond with Eco-friendly, Energy Efficient homes like no other.

This new design is about still delivering a unique, fantasy-driven home yet securing it to lockup stage in lighting time. Spark Homes manufacturer or distributor of Building products have been the leader in offering everything you need to build a house under their roof. Affordable, yet diverse in the building materials provided for large & small projects. To offer such an innovative process, We at Spark Homes have ensured that there is no trade-off & continue to develop exceptional products for our clients. Whether you want minimalism or prefer extravagance, we have the right product for you.

STEEL FRAME PREASSEMBLED READY FOR ON-SITE INSTALLATION

We give life time warranty on our Blue Scope Steel and We have the state of the art technology with precision accuracy manufacturing feasibility. All our steel framing components can be easily assembled, By simple insertion of one element Into or over the other.

STEEL IS A SUPERIOR CONSTRUCTION MATERIAL

Highest strength-to-weight ratio of any building material, 100 % recyclable Non-combustible, does not burn and Will not contribute fuel to the spread of a fire Inorganic - will not rot, warp, split, crack or creep & stable - does not expand or contract with moisture content Consistent material quality produced in strict accordance with national standards, no regional variations.

CYCLONIC BUILDINGS

Spark Homes offers a range of designs that meet the strict Building Codes of Australia for cyclonic regions . In fact, they are individually Engineered to meet the BCA criteria.

The house frame is more than just another stage in the building process. along with your skill and craftsmanship, the frame has a huge influence on the integrity of the home itself, which is why more and more builders are relying on house frames made from Truecore® steel.

- Frames made from Truecore® steel can have many benefits including.
- Efficiency through ease of use and prefabrication.
- Durability through steel that is 100% termite and borer proof
- Truecore® steel won't ignite or contribute to the spread of house fire
- Support from Bluescope and access to local fabricators

USING OUR STEEL FRAME WITH VARIOUS EXTERIOR OPTION

Brick Finish, Light Weight Concrete, Hebel (aerated concrete), Linear Board, Cladding. Tiled Roofs, Rendering, plus many other options



THE EFFICIENT WAY TO BUILD

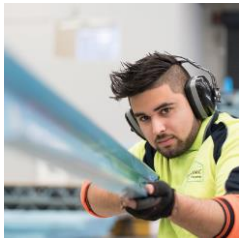
Creating efficiencies means less complexity & removing any unnecessary cost.

- Framing made from TRUECORE® steel can be prefabricated for a fast installation
- Pre-punched service holes makes it easy for follow-on trades to place cables & pipes
- Consistent and dimensionally accurate, which means less onsite adjustment
- Lightweight and easy to move for efficient installation

DURABILITY TO LAST GENERATIONS

Building homes that stand the test of time requires commitment, experience & of course, choosing the right materials from the start.

- TRUECORE® steel has a reassuring 50-year warranty for eligible applicants
- TRUECORE® steel is 100% termite & borer proof
- TRUECORE® steel won't catch fire
- When used as part of the NASH bushfire standard, frames made from TRUECORE® steel can help provide simple design solutions to achieve compliance to the National Construction Code (NCC) – even in the most severely rated Flame Zone2
- TRUECORE® steel incorporates Activate® technology for enhanced corrosion resistance



INNER STRENGTH FOR YOUR BUILD AND YOUR BUSINESS TRUECORE®

Steel's inherent strength makes it an ideal frame material for today's builder.

- Frames made from TRUECORE® steel are consistently straight and true, resulting in stronger lines and a beautiful finish
- Frames made with TRUECORE® steel won't shrink, twist or warp over time so there's less chance of jamming doors, sticking windows or wavy rooflines
- TRUECORE® steel's impressive strength-to-weight ratio allows for long spans and flexible design, helping builders create contemporary open plan homes to suit today's modern design trends

THE SUPPORT OF A GENUINE PARTNERSHIP

When you choose to build with TRUECORE® steel, you and your business can enjoy the benefits of being supported by BlueScope, the manufacturer of COLORBOND® steel.

- Connecting you to fabricators with expertise in frame design and manufacturing fit for your requirements
- BlueScope's multi-channel marketing campaign geared to generate consumer demand for TRUECORE® steel, following its successful appearance on The Block
- BlueScope works with TAFE and local government to help develop steel frame training for apprentice carpenters



Watch YouTube link for
PRE-FAB Steel Frame
installation process

Builders Frequently Asked Questions (FAQ's)

Are there on-site benefits for construction with Light Gauge Steel Framing Systems?

Steel frames are precision engineered, dimensionally accurate, straight and true (there is no need for frame straightening), and they arrive to site pre-fabricated and ready for installation. Builders and tradies have told us they appreciate the lightweight nature of steel. And arriving to site pre-fabricated can improve on-site efficiency and also help to reduce on-site waste.

Are steel frames quick to install?

Because they arrive to site pre-fabricated, frames made from TRUECORE® steel are ready to be installed straight away. Some builders have suggested there are time savings compared to some other building materials. We recommend you speak to your builder for an estimate of the build time for your specific project.

How do I know that steel frames will be strong enough?

Steel is inherently strong and TRUECORE® steel meets the requirements of all relevant Australian Standards. Most modern systems use high tensile steel components and appropriate jointing methods, and are engineered to meet the relevant structural requirements of the National Construction Code

How can I be assured that frames made from TRUECORE® steel are good quality?

TRUECORE® steel is made by BlueScope to strict tolerances and fully complies with all relevant Australian Standards. Light gauge steel framing is a precision engineered product manufactured to accurate dimensions and this helps to ensure walls are straight and true. Steel frames don't shrink, twist or warp over time which may help reduce builder call-backs and ongoing maintenance issues.

What warranty is available on TRUECORE® steel?

TRUECORE® steel is backed by a reassuring 50-year warranty from BlueScope. The warranty is offered to eligible applicants for residential applications and is subject to terms and conditions. For full terms and conditions and to determine eligibility please visit warranties.bluescopesteel.com.au/ or call BlueScope on 1800 800 789. In addition, consumers have rights under Australian Consumer Law which cannot be excluded, modified or restricted and the warranties offered by BlueScope do not affect those rights.

Have steel framed buildings been proven over time?

Steel framing has been successfully used in housing since the early 1950's and in recent years has gained in popularity. There are well-known and reputable builders in Australia who recognise the benefits of TRUECORE® steel and building steel framed houses.



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Why should I consider a frame that is termite proof?

Frames made from TRUECORE® steel are 100% termite and borer proof. As anyone who's had to deal with termites would probably tell you, it's worth doing everything you can to stop them, right from the start. Termites are a problem in Australia and damage to a house frame by termites and borers can be silent and invisible to the eye. Rectification may involve replacement of the damaged frame and other building components and the damage may not be covered in standard insurance policies. Regular termite inspections are recommended to check the other building components in homes.

Can steel frames be used for building in a bushfire zone?

Yes. When used as part of the NASH bushfire standard, frames made from TRUECORE® steel provide simple design solutions to achieve compliance when building, even in a flame zone. For further information please refer to the National Association of Steel-Framed Housing's Standard 'Steel Frames Construction in Bushfire Areas' or visit www.nash.asn.au/nash/safety-and-security/bushfires. We also recommend you speak with your builder about the suitability of steel framing for your particular build.

If I use a steel frame how much flexibility do I have with design?

Steel frame manufacturers and fabricators can produce almost any one or two storey home design seen in Australia today and recently steel frames have been used in some three and four storey designs. Because house frames made from TRUECORE® steel have a high strength-to-weight ratio and stay straight and true, they're an ideal choice for modern home design. Long spans, open plan living spaces, architectural rooflines; they're all possible with the inner strength of TRUECORE® steel. And frames made from TRUECORE® steel are suitable for both flat and sloping blocks.

Is more trade skill required to work with steel framing?

Any trade can work with steel framing. Bricklayers can install the brick ties by simply clipping them into the stud and plasterers appreciate the straight lines of a frame made from TRUECORE® steel. Pre-punched electrical and plumbing service holes help make installation easier for plumbers and electricians. Most frames are installed by qualified framers who can work with both steel and timber. Trades are increasingly becoming experienced with working with steel as more builders adopt steel framing in their product offer.

How can I find out how to install steel frames?

If you're new to light gauge steel frames you might be surprised just how easy frames made from TRUECORE® steel are to work with. We've put together a range of how-to videos to help you get up to speed fast, you can view them on the Installers page of this website. Also, The National Association of Steel-Framed Housing (NASH) provides instructional literature and videos and your frame supplier is also likely to provide installation manuals and support.

*** Finance assistance available**

Can a frame made from TRUECORE® steel accommodate window flashing detail?

Yes, steel framing has been successfully used in the housing industry since the 1950s. Specific advice is available from window and cladding manufacturers.

Does TRUECORE® steel comply with the relevant Australian Standards?

BlueScope Steel manufactures TRUECORE® steel to all the relevant Australian Standards (AS1397:2011 and AS/NZS 1365:1996) for thickness, width, mechanical properties and coating mass. TRUECORE® steel is easily identifiable through product branding and the distinctive blue coating.

I've heard frames made from TRUECORE® steel are insecticide free. What does this mean?

Because it's termite and borer proof, TRUECORE® steel doesn't need to be treated with insecticides to keep these harmful pests from eating your frame. So, if minimising insecticides around your home is a priority for you and your family, building your home with TRUECORE® steel is a great way to start.

Do I need to undertake chemical or physical termite protection if I use a steel frame?

The National Construction Code specifies chemical and physical termite barriers only where structural members are subject to termite attack. A steel frame is termite proof, but it is still recommended to use non-structural fixtures of termite-resistant materials, or a steel frame plus a termite barrier, combined with regular pest inspections. For further information visit the National Association for Steel-Frame Housing's (NASH) info page: www.nash.asn.au/nash/why-choose-steel/structural-pests

Is there initial or ongoing movement of steel frames?

There will be no initial shrinkage or swelling of a frame made from TRUECORE® steel as there is no absorption or drying of moisture in steel frames. Steel framing in a properly constructed and insulated home expands and contracts in response to temperature changes at rates reasonably similar to those of other building materials. And steel frames won't shrink, twist or warp over time so there's less chance of sticking doors and window jambs, nail pops & wavy roof lines due to frame movement.

Can I build on piers or a concrete slab?

Yes, steel framing can be fixed directly to a concrete slab, or to steel flooring systems on brick, concrete, or steel piers.

Should copper pipes be isolated from a steel frame?

Yes, these materials should be isolated because in the presence of water these materials will develop galvanic cells which will result in rapid destruction of the protective metal coating of the steel frame. Copper pipes are easily isolated from the frame by using nylon grommets or face fixed to the studs using plastic clips. Both of these systems also resist water hammer noise.

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Does steel framing combined with external cladding provide greater internal wall space?

Compared to double-brick construction, floorspace gains can be achieved when using frames made from TRUECORE® steel combined with external cladding construction. Over a typical home design (slab area = 221m²) this may equate to three square metres which could mean more living space or additional storage.

I've heard steel frames allow a range of external façade options?

Yes, steel frames can accommodate a range of facades including brick, veneer, fibre cement and timber. Cladding solutions can be fixed directly to steel framing.

Is a light gauge steel frame made from TRUECORE® steel durable?

Yes, it is. TRUECORE® steel with Activate® technology incorporates a thoroughly tested protective aluminium/zinc/magnesium alloy coating. Our patented Activate® coating technology is an important component of BlueScope products installed across a range of environments and building applications. Where there are cut edges from drilling or cutting operations, the galvanic action of the coating protects the exposed steel edge against corrosion.

Are steel framed houses thermally efficient?

A frame made from TRUECORE® steel can be lined, insulated and clad in a variety of ways which can deliver the desired thermal and acoustic properties.

Do you supply steel frame across Australia.

Yes we can supply steel frames across Australia, though our distribution channel

How do I order bulk copies of literature?

Bulk literature can be ordered by contacting us on 028807 4717

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Pre-fab Steel Frame



Pre-fab Steel Frame - House



Pre-fab Steel Frame – Upper Floor



Pre-fab Steel Frame - Town Houses



Pre-fab Steel Frame – House



Pre-fab Steel Frame – House



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Pre-fab Steel Frame – Duplex House



Pre-fab Steel Frame – Commercial Project



Pre-fab Steel Frame – House



Pre-fab Steel Frame – Toilet Blocks



Pre-fab Steel Frame – Building Structure



Pre-fab Steel Frame – Building Structure



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