



Buyers are sold on steel house frames that are good for the environment

Seriously strong

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If homebuyers are serious about the environment they should consider steel, says Jay Saeedi.

Mr Saeedi, the director of 21st Century Steel Homes and Frames (BSA 1005219), said a steel frame was fully recyclable.

"With concern about the environment and a shortage of quality timber, steel makes a good alternative," he said.

"We can't risk destroying lush forests to build houses.

"Steel won't burn, it won't rot, it won't twist or bend and it won't turn to a food source for termites and white ants."

Mr Saeedi said there were no insurance companies protecting homeowners from termite attack.

After 20 years of building steel-frame houses, 21st Century Steel Homes and Frames passes on its experience and knowledge to homeowners, builders and developers.

A recent project is a house at Palm Beach where the company has supplied and installed its framing system.

"The owner-builder is a professional engineer who required the best solution on his structure and he chose us to do the job," said Mr Saeedi.

"The house is an ultra-modern design, with high, raked ceiling, skillion roof with parapets, large open areas, four bedrooms, study, kids' retreat, dream kitchen and ensuite.

"Since we weld our frames, we could have the brick lintels welded so the brickwork could go above the garage door sitting on a welded lintel.

"A huge bi-fold door in the lounge was done by inserting an engineered structural beam fully welded and bolted."

Mr Saeedi said once the owner handed over the slab it took two weeks for 21st Century Steel Homes and Frames to deliver the full framework ready to take the roof, windows and doors.

Owner Scott Thomson said he was happy with the service.

"I was very impressed with every aspect of 21st Century Steel Homes' framing, particularly the detailing of complex roof lines and how well the frame was assembled on site," he said.

"The steel-frame design was able to achieve massive spans using visually appealing member sizes where timber could not.

"21st Century's fully welded frame is easily the strongest and most rigid house frame I have ever seen, and I would have no hesitation in using them for future projects."

The company supplies and fixes all the light-framing members, including walls, trusses, floor bearers and joists, posts, bracings and all fastenings and accessories, according to plans and engineering specification.

"Since we weld all our members and we do not use any rivets or screws to assemble our frames in the factory, we can insert or weld heavy structural members in our framing system to achieve any design requirement on residential or commercial projects," said Mr Saeedi.

"Further, we use a minimum of 1mm high-tensile steel studs, noggins and bracings instead of 0.6mm and 0.7mm. We use 1.6mm stiffened top plates and our trusses are made from Z100 or Z150 commercial top and bottom cords.

"Therefore we have established a strong reputation in the field as the supplier of the strongest light-framing system."

The company has been involved with projects from kit homes to individual house frames, houses to lock-up stage, or major commercial projects, schools and storage facilities.

The framework becomes the skeleton of each project, with other materials and products attached.

For more information visit the factory at 24 Mercantile Court, Molendinar, call 5574 4796 or go to www.steelhomes.com.au