

PosiStruts are the ideal solution for today's building needs as they offer a wide range of real advantages and savings to the architect, engineer and builder. PosiStruts provide a customised, totally engineered flooring system that combines the versatility of timber with the strength of steel. PosiStruts' unique 'open web' design provides excellent access for services, whilst making them lighter than solid timber joists or other alternatives.

#### Advantages:

- **EASY ACCESS FOR SERVICES** (plumbing, electrical, heating & air conditioning/ducting)
- **QUICK & EASY TO INSTALL** (an on-site favourite)
- **LIGHT WEIGHT** (easier to handle)
- **TOP CHORD SUPPORT** (speeds up installation)
- **COST SAVING** (more cost-effective in the long run)
- **EXTRA LONG SPANS** (ideal for open plan designs)
- **STRONG, STRAIGHT & RIGID** (no need to straighten or 'pack' on-site)
- **IDEAL FOR FLOOR JOISTS** (reduced floor bounce & squeaking)

# PosiStruts are definitely good for business



MiTek's PosiStrut trusses have been a favourite on-site for many years now. This is largely due to the unique, light-weight design and open access for services. The main use for PosiStruts in the past have been as floor joists however, as architects and designers look to maximise on living space new applications are emerging. An early convert to the advantages of manufacturing and supplying PosiStrut trusses to the building industry, Calco Timbers in South Geelong (Vic), have been one of the MiTek fabricators responsible for some of the more exciting innovations with the application of PosiStrut trusses.

Calco have perfected a way to manufacture curved PosiStrut trusses. Paul Colless, Prefabrication Manager at Calco Timbers explains the manufacturing process: "We've built a specially designed Sliding Press to manufacture curved PosiStrut trusses. It has been developed to house special tooling and clamps for curving the hardwood top and bottom chords." Naturally before making these 'special' PosiStrut trusses, MiTek is called upon to provide all the engineering computations to ensure all are consistent... thus guaranteeing an even curve in the ceiling and roof line," added Paul. Calco's ability to deliver a quality result every time has earned them a reputation far and wide. "We've actually won jobs because of our expertise with PosiStrut trusses."

## “PosiStruts are also a fantastic roofing solution”

Not just a flooring solution.

PosiStruts' innovative design also makes them ideal for roof construction. They can even be manufactured to create curved structures. PosiStruts are now making a name for themselves because they offer a far more cost-effective solution to steel and are much easier to install. In fact, PosiStruts make excellent purlins, floor joists...or rafters!



There is a growing trend towards maximising the open living area and feel of new homes and this can often be achieved by incorporating high ceilings into the design. However, with local council height restrictions, this often means a pitched roof is not a viable option.

For many, the extra cost of producing a roof with steel framing, especially a curved roof, can dictate the end design. That's what makes PosiStruts so attractive to architects who are prepared to explore different building methods. "It's imperative that architects keep themselves up-to-date with products like PosiStruts," said Steve Hofer of Williams, Kaye, Hofer Architects.

Steve is one architect who has used curved PosiStruts with great success. One such example is a new 2-storey home, high on a hill, overlooking scenic Port Phillip Bay in Victoria. "With this project, on-site access was a real issue, and the option of steel roofing was a problem. It is very heavy and very difficult to man-handle at the best of times.

Plus, more weight means the foundations and overall framing would have to be specially engineered – further affecting the cost of construction," stressed Steve. "PosiStruts are the ideal solution for architects who are looking to incorporate a low-pitched flat, or in this case, curved roof, into their design. We find that using curved PosiStruts results in a quicker, easier to install lighter weight solution than steel. That means construction time is kept to a minimum, further reducing construction costs." For Steve, doing his home-work and looking into the advantages of PosiStruts really did pay off.

PosiStruts deliver a win, win, win scenario for the architect, the fabricator and the builder on-site!



creating the **advantage**

To find out more about PosiStruts or any other MiTek products, call your local state office:  
**VIC** (03) 8795 8888 **NSW** (02) 8525 8000 **QLD** (07) 3268 1666 **SA** (08) 8234 1326 **WA** (08) 6218 5945  
**New Zealand** (09) 274 7191 **Malaysia** (03) 3176 7473 or visit [www.mitek.com.au](http://www.mitek.com.au)

PosiStruts... ANOTHER MITEK ADVANTAGE

Paul Colless, Calco Timbers

