

# PosiStruts STAR in TV's GRAND DESIGNS

PosiStruts are a truly customised, totally engineered flooring, roofing and (in this particular project), wall system, which combines the versatility of timber with the strength of steel. PosiStruts' unique 'open web' design also provides excellent access for services, whilst making them lighter than solid timber joists or other alternatives.

**POSISTRUTS HAVE MORE 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)

Not just a flooring solution.

PosiStruts, from licensed English MiTek fabricator Palgrave Brown have featured on UK Channel 4's popular Grand Designs TV show in a £725,000 project in Bristol...known as the Sugar Cube house. Martin Pease, a commercial architect, designed his 'sugar cube' open plan dream home for his family; with everything in white. The project was completed on budget – land costs of £425,000 and build costs of £350,000 – and with a rapid build time of just under a month.

Unusually, due to the nature of the design, PosiStruts were placed vertically as well as horizontally for wall, floor and roof support with Palgrave Brown designers assisting in the design and unusual application of the PosiStruts.

Dave Atkins, product manager for PosiStruts at Palgrave Brown, commented: 'The Sugar Cube is a great project to demonstrate the product's versatility, and we are delighted that Palgrave Brown's design service was able to give the customer the design flexibility he wanted.'

Weststructure Timber Frame used Martin's ideas and design to produce detailed drawings and a CAD 3D image to take in the structural, environmental and conceptual requirements and specified PosiStruts.

Peter Doman, Managing Director at Weststructure, explained: 'this was the first time we'd used PosiStruts in vertical alignment. It meant we could have large ceilinged rooms as well as fulfil Martin's vision of wide open spaces.'



creating the **advantage**

‘PosiStruts are PERFECT  
for large, OPEN-SPACED areas.’

PosiStruts’ innovative design also makes them ideal for roof construction! Plus, they can even be curved! PosiStruts offer a far more cost-effective solution to steel, I-Beams or solid timber beams.

PosiStruts also offer top chord support – making them even quicker and cheaper to install because there’s no need to use expensive fixings and brackets. PosiStruts make excellent purlins, floor joists, rafters... or modules.

The highly insulated Sugar Cube four-bedroom home is virtually all-open plan, and half the ground floor space has double height ceilings. To add to the light and spacious feel, the house also features a full height glass wall overlooking

the garden, complete with outdoor entertaining area and in-ground swimming pool.

MiTek’s PosiStruts system, combines timber and steel webs; which means they can span far greater distances than alternative products. Because PosiStruts can also eliminate the need for load bearing internal walls they’re ideal for a variety of internal room layouts. Plus, no other I-Beam can boast ‘Top Chord Support’ – making them cheaper and quicker to install.

PosiStruts are both lightweight and strong and very easy to install. PosiStruts offer a unique, easy-access advantage too – as there is no need to drill holes or saw gaps.

The open design creates ample room for electrical, plumbing – even air-conditioning ducting. This easy access delivers tangible benefits on-site, saving both time and money...important factors given Martin’s rapid-build expectations.

There have also been some amazing examples of PosiStruts used in Australia – with Architects continuing to challenge this very versatile, affordable and custom-engineered flooring, roofing (and sometimes) wall solution.



For more information about PosiStruts or any other MiTek engineered building products, call your local state office or visit: [mitek.com.au](http://mitek.com.au)

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