

# CASE STUDY

4KEN PTY LTD



**CATEGORY:**  
Manufacturing

**LOCATION:**  
Auburn, NSW

**PRODUCT:**  
GALVABOND® steel  
COLORBOND® steel

## BlueScope Sheet Metal Supplies Helps Take Safety To New Heights

Utilising aluminium and steel products from BlueScope, specialist scaffolding manufacturer 4Ken Pty Ltd have once again taken innovation to new heights by designing a smart safety screen solution to protect scaffolders and the public.

Originally trading since 1990 as Galedam Pty Ltd and since 2008 as 4Ken Pty Ltd, 4Ken provides quality, specialised products to the scaffolding, construction and resources industries. Not just any products, but innovative scaffolding systems and components that are manufactured in Australia to Australian Standards using Australian-made steel from BlueScope, and which are designed with an absolute commitment to safety and built on in-depth industry experience.

From their 4000sqm-plus facility in the Sydney suburb of Auburn, NSW, 4Ken sell and hire a huge array of products and offer a specialised steel fabrication workshop which can provide scaffold suppliers with any scaffold components they require - either fabricated to meet the specifications of supplied drawings or made to samples provided – including cast in and embedments for the resources sector.

Galvabond® Colorbond®

# *“We have worked closely with BlueScope for the last decade and we only use steel from BlueScope ...”*

*- Ken Cox, Managing Director 4Ken Pty Ltd*

And while the company's products and service are exceptional, their capacity to innovate in the name of safety – driven by Managing Director Ken Cox – is quite simply extraordinary.

In response to a national campaign by WorkCover NSW to introduce new regulations for the safe erection and dismantling of scaffolding, 4Ken developed, manufactured, tested, certified and now supplies a complete proprietary temporary edge protection system for use on a range of scaffold systems.

4Ken also designed a number of large span temporary overhead protection systems incorporating prefabricated modules which can be raised in a safe and stable manner with minimal work on site, saving enormous amounts of time in the erection and dismantle process; they developed secure access gates that can be incorporated into any scaffold system, and in consultation with a leading scaffold industry labour company, 4Ken developed the Ladder Beam Roller System to safely install cantilever scaffold bays without the need of harnesses.

Deeply committed to delivering better and safer scaffold solutions, 4Ken have most recently been working with BlueScope Sheet Metal Supplies to develop a new and highly effective safety screen system which encapsulates a construction site to better protect scaffolders and the public.

“Scaffolders are now fully enclosed every time they ascend to build a new level, so they no longer need harnesses, and scaffolding elements no longer need to be tethered, because all construction activity takes place behind the secure metal screens,” Ken Cox explained.

“For the entire construction phase, members of the public are also protected from falling objects by the structural screens, which are engineered to bear a static load of 1.2kPa and to withstand a dynamic load of up to 600N.”

With the assistance of Walter Suber, Market Development Manager at BlueScope Sheet Metal Supplies' Granville branch, 4Ken have developed their entire Structural Safety Screen system using steel and aluminium products from BlueScope.

“We have worked closely with BlueScope for the last decade and we only use steel from BlueScope, so we had planned to construct the entire system in steel. However, through Walter I received the technical support to produce a high tensile aluminium extrusion for the screen tracks, which couldn't have been produced using steel,” Ken explained.

“We are very big on supporting local manufacture, to the point where, when we needed square rivets, I had the dies made so a local rivet maker could make them using steel from BlueScope.”

Ken Cox and Walter Suber also believe the perforated steel screens can be beneficial in beautifying cities by providing a versatile design element on facades of often ugly construction sites.

“With the perforated screen sections we can actually create designs on the steel by adjusting the closeness of the perforations to form logos or decorative images which can be repeated across the facade, while the colours available in COLORBOND® steel can also be used to create what may essentially become giant works of art,” Walter Suber said.

“However the key benefit, as in all Ken's work, is safety; at BlueScope we are also extremely safety conscious and want to make sure we're promoting safe practices on building sites, so we have been pleased to assist 4Ken in producing what will be a win-win system for all involved.”

For more information visit [www.4ken.com.au](http://www.4ken.com.au)



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