

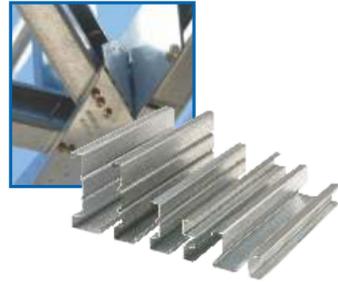
### eCo Ninja Spikes

The eCo Ninja Spike is a spike system available to the DIY market for security purposes. Pre drilled holes allow for secure screw down of the Ninja Spikes along a wall. Ninja Spikes are available in gold or silver corrosive resistant finish and can be secured to brick, steel or timber surfaces.



### eCo Multi Purpose Brackets

eCo Multi Purpose Brackets are suitable for a variety of connections, both structural and non structural. Manufactured from 2.5mm galvanized steel it provides a wide range of applications for the DIY person and builder.



### Ultra-Span

Ultra-Span is a pre-fabricated light gauge steel truss system with advantages such as: Light weight and compact for economical transportation costs. A drill with a clutch and a cut-off saw are the only pieces of equipment needed for manufacture and assembly of trusses. A full engineering and estimating department is available to back the Ultra-Span product. Engineered designs are calculated on state of the art in-house developed software for economical roof solutions.



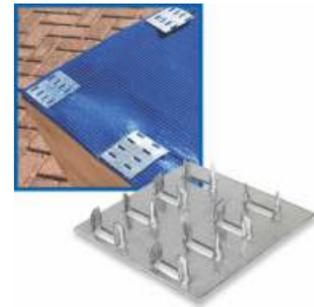
### eCo Tibond

eCo Tibond is a continuous lug system designed to overcome problems associated with bonding brick-fill panels to concrete, steel, timber or existing brick work. The eCo Tibond strip is 1360mm long, 40mm wide and 1.6mm thick. Each strip is profile cut to give 4 pairs of lugs, 305mm long at 340 centers i.e. every fourth course of brickwork.



### eCo Wall Tie

eCo Wall Ties are a holding down component devised to anchor timber roof trusses, rafters, beams or steel roof trusses to the wall. It is easily fixed to timber trusses with eCo Permfix nails as well as to Steel Trusses with galvanised Tek screws 12 x 20.



### eCo Shade Cloth Fastener

eCo Shade Cloth Fasteners provide the best method of securing shade cloth quickly and easily. The teeth of the fastener are designed to pierce freely through the shade cloth leaving the cloth free from tears. The fastener is secured by hammering home.



## MAKING THE RIGHT CONNECTION

eCo Fasteners® are timber and steel fastening devices that provide strong and rigid connections to any building structure in which they are applied. The use of the appropriate fastener in the correct manner not only ensures strong connections, but also the structural integrity of the building. 100% compatible with Ultra-Span®, our light gauge steel truss system, eCo Fasteners® are uniquely designed, durable, easy to use, load tested and marked for their respective applications. Thereby providing full compliance with CPA requirements.

Accompanied by technical specifications and backup support from our dedicated teams of experienced professional engineers, DIY users and building professionals will find these fasteners offer multiple solutions and produce the safest connections of any building system.

eCo Fasteners® are setting the benchmark in timber and steel construction.



*creating the advantage*

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\*Mitek Industries South Africa (Pty)Ltd, a division of the worldwide MiTek Group.





### eCo Gryptite

eCo Gryptite connector plates are designed for the production of on-site timber to timber connections.

The application of the plate is simple and requires no more skill than the positioning of the plate and hammering home of the teeth.

Our CAD facility provides an accurate design for the use of the eCo Gryptite plate in the use of manufacturing timber trusses. eCo Gryptite plates are suitable for a wide range of applications in timber joinery such as site splicing

\*Please note that an engineered design is required to manufacture timber trusses with eCo Gryptite plates.



### eCo Purlin Clips

eCo Purlin Clips provide a solution for purlin to rafter connections under normal wind conditions. A single purlin clip is required per connection except at the apex, eaves and gables, where a pair of purlin clips must be used. The design load value is 1.2kN, fully nailed with Permfix nails.



### eCo Hurricane Clips

The eCo hurricane Clip is a galvanized steel framing anchor designed for the connection of structural timber members at right-angles to each other. Typical applications include use in high wind areas as well as truss to beam connection. The eCo Hurricane Clip is attached by nails through pre-punched holes. eCo Hurricane clips are to be used in a pairs. The design load of a pair is 1.4kN, fully nailed with Permfix nails.



### eCo Truss Hangers

eCo Truss hangers provide a secure means of support to connect beams, joists or trusses. The truss hanger is available in three sizes for supporting 38mm, 50mm and 76mm wide timber sections. The 38mm wide hanger is available for both 90 and 45 degree junctions in either left or right hand versions. It is easily fixed by means of Permfix nails or bolts through pre-punched holes. The hangers have multiple applications which include hipped roofs, pergolas, carports, floor joists etc. The load bearing capacities range from 1.3kN to 6.5kN. Mini truss hangers are also available for light structures.



### eCo Pole Hangers & Gumbo Brackets

The eCo Pole Hanger is designed to provide efficient and economical anchorage of gum poles to brick or concrete walls in the construction of car ports, pergolas etc. It is easy to fix to the wall using M12 anchors for up to 500kgs load capacity. The eCo Light Duty Pole Hanger has been designed to make pole to pole or flat surface connection easier. Tested for loading capacity of 380 kgs.



### eCo Purlin

eCo Purlin is a steel hat channel purlin for use on both timber and steel trusses. With dimensions of 76mm x 40mm, it is manufactured from galvanized steel. The advantages are numerous, easy splicing, compact stacking and due to it's light weight nature it is economical to transport and easy to handle on site.



### eCo Cleats

eCo Heavy duty type H cleats are designed to ensure sound connections at truss and girder junctions. These Cleats can be specified in a variety of different configurations to suit different loads and structural arrangements. Three alternative vertical flanges to cater for either 5, 8 or 12 bolts of 12mm diameter are available and an optional long flange plate, designed to prevent rotation of the incoming truss/girder. The design load value ranges from 3.4kN to 45kN.



### eCo Speed Brace

eCo Speed Brace is a pre-punched shallow V profile galvanized metal tension bracing strip designed to brace top chords, bottom chords and webs. The bracing and connecting details are designed to provide equivalent bracing and stiffening properties to timber bracing.



### eCo Anti-Split

eCo Anti-Split plates are available in different sizes and diameters. Each plate is engineered to offer the most efficient and economical splitting restraint solution. Can be used in hardwood poles, sleepers and scaffolding boards.



### eCo Batten

eCo Batten is a steel hat channel batten for use on both timber and steel trusses. It can further be utilized as a web and bottom chord runner and also for diagonal runner braces. The advantages are numerous, easy splicing, easy to handle eg. a bundle of 10 battens is about the same size as one 38x38mm timber batten.



### eCo Bracing Strap

eCo Bracing Strap is a perforated galvanized steel strip 25 x 1.0mm which is used extensively for cross bracing frames or bracing roof trusses during erection. The staggered perforations simplify fixing and prevent splitting of the timber while nailing.

Tensioners are used with bracing strap to achieve maximum tension after fixing. They are easily fitted and require no special tools.



### DIY and Pre-pack products

All our popular products are available in DIY pre-packs for your convenience. If you don't need a whole box, pre-packs will suffice, supplying you with a more tailored quantity.



### eCo Post Anchor Base

The eCo Post Anchor Base is designed to provide efficient and economical anchorage of timber posts to concrete slabs, engineered to resist uplift resulting from high velocity winds. The bottom of the post is kept above ground level so that there is no contact with dampness. The eCo Post anchor base, suitable for fixing to existing or new concrete can be adjusted after installation. It is available in two different sizes suitable for 80mm and 100mm wide posts.



### eCo Trip-L Grip

eCo Trip-L Grip is the strongest and most versatile anchorage for timber joints. It has been engineered as an economical connecting unit to simplify structural joining in timber roof, wall, ceiling and floor framing in timber frame housing or timber carpentry. eCo Trip-L Grip can also be applied to steel connections.



### eCo Permfix Nails

eCo Permfix nail is specifically designed for use with eCo products such as truss hangers, hurricane clips, bracing strap, speed brace etc. The shaft of the nail is serrated as a standard ring shank nail and M11 is forged on the head for easy identification. The nail is coated for corrosion resistance. The thickened collar ensures that the head does not break-off during application, which is often the case when using clout nails.



### eCo Purlin Nail

eCo Purlin Nail is specifically designed for use with an eCo Purlin. It is 60 x 4 mm and is coated for corrosion resistance. It has M11 forged into the head for identification. The nail is ring shanked to provide pull out resistance.