

# MiTek

## ENGINEERED BUILDING PRODUCTS Compliance



Quality  
ISO 9001

SAI GLOBAL



CODemark®

CM70055  
Australia

# MiTek®

[mitek.com.au](http://mitek.com.au)

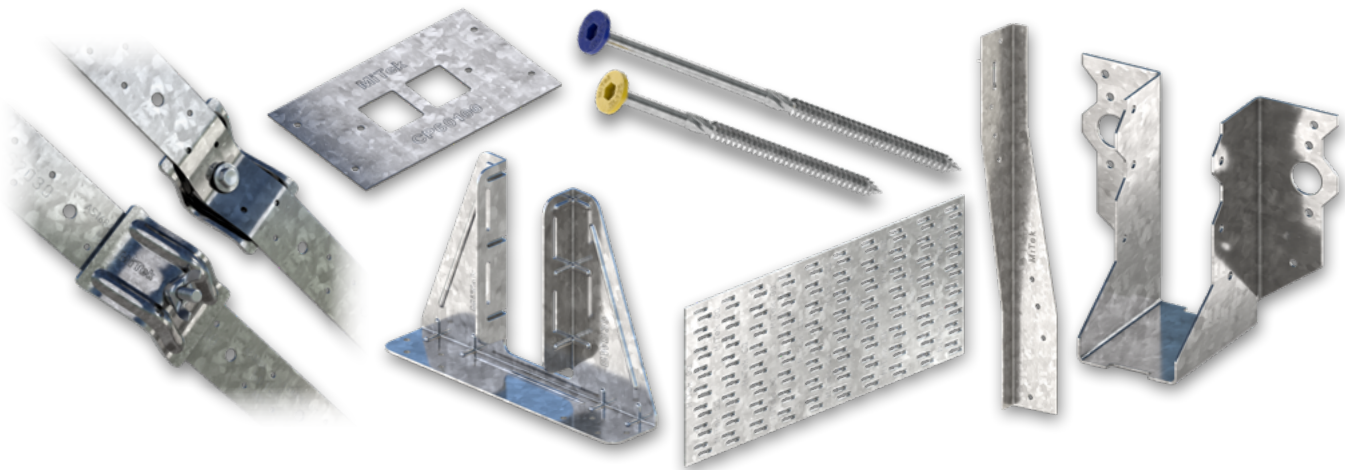
# TECHNICAL COMPLIANCE

MiTek® is a premium producer of a range of metal building products and associated fasteners, primarily applicable for, but not limited to, structural timber connections and bracing. The products are manufactured from hot dip galvanised (HDG) steel coil, zinc coated rolled steel sections, stainless steel coil, and include zinc coated bolts, screws and nails.

## RANGE OF ENGINEERED BUILDING PRODUCTS

The range of certified engineered building products and truss components include the following proprietary MiTek branded products. MiTek also have a range of stainless steel products for highly corrosive building environments:

Truss Connector Plate	PosiStrut Web	Eliminator	BearingPlate
Blockfast	Boomerang Connector	BraceWall Bracket	Concealed Purlin Cleat
Concrete FixingCleat	ConnectorPlate	CreeperConnector	CycloneTie
FastFit Girder Bracket	Hip Girder Bracket	I-BeamHanger	InternalWall Bracket
JoistHanger	JoistStrap	MaxiBrace	MiniBrace
MiniGrip	MiniNail	MultiGrip	NailonPlate
PlateTie	MSA Screw	Reinforced Head Nail	SpeedBrace
SplitHanger	StrapNail	Structural BracingStrap	Structural TieDown Strap
StudLok	StudStrap	Tensioner	Trip-L-Grip
TrussGrip	TrussSpacer	TylokPlate	Uniledger
Universal Girder Bracket	Universal Trip-L-Grip	WallStrap	ZClip



## CODE OF BUSINESS CONDUCT AND ETHICS

As a subsidiary company of Berkshire Hathaway Inc, MiTek's conduct is governed by Berkshire Hathaway's Code of Business Conduct and Ethics, which covers all aspects of MiTek's business transactions. This includes ethical and legal behaviour in relation to the sourcing of materials and supply of products.



## QUALITY MANAGEMENT SYSTEM

MiTTek operates a Quality Management System, which complies with the requirements of AS/NZS ISO 9001:2016 Quality Management Systems – Requirements for the design, manufacture and supply of a range of structural connectors and other fasteners for prefabricated timber trusses and wall frames for the building industry as well as the design and supply of computer software for fabricator design, estimating and production planning, and a design service for timber structures.

An independent external assessor regularly audits and certifies all procedures pertaining to the above. This includes internal procedures for the review of external suppliers, and purchasing of materials.

A dedicated quality inspector continuously monitors all internal production runs. The inspector also rigorously examines every delivery of third party products from an external supplier, by drawing a quantity of random samples for quality control inspection, measurement, and verification.

The results of all inspections are documented and audited. Any non-conforming products are quarantined, and their details are kept in a register.



## CHAIN OF CUSTODY

MiTTek sources steel coils manufactured by reputable Tier 1 steel mills only. Mill certificates, which verify testing and compliance with applicable material grade standards, accompany every coil received, and every batch of product MiTek manufactures is traceable to these certificates through stamped labels on their packaging.

## SUSTAINABILITY

The sustainability of steel is well documented, and the metals in our products including zinc in the galvanized coating are 100% recyclable. The cardboard packaging of our product is also 100% recyclable.

**For further information or recycling of the materials in MiTek's engineered building products, please refer to these links:**

<http://www.worldsteel.org/steel-by-topic/sustainable-steel.html>

[http://www.zinc.org/basics/zinc\\_recycling](http://www.zinc.org/basics/zinc_recycling)

<http://www.sustainablestainless.org/>

MiTTek's building products do not contain any products, substances or chemicals classified as hazardous substances or dangerous goods under the Victorian Occupational Health and Safety Regulations.

## ENGINEER CERTIFIED CODE COMPLIANCE

All MiTek structural products are designed, developed and certified by a team of fully qualified chartered professional engineers, who are certified under the National Professional Engineers Register. They ensure full product compliance with the requirements of the ABCB National Construction Code - Building Code of Australia - Volumes One & Two which includes compliance with, but are not limited to, the following deemed-to-satisfy referenced documents:

- AS 1111** – ISO Metric Hexagon Bolts and Screws
- AS/NZS 1170** – Structural Design Actions
- AS 1684** – Residential Timber-Framed Construction
- AS 1720** – Timber Structures
- AS 1789** – Electroplated Zinc Coatings on Ferrous Articles
- AS 2334** – Steel Nails Metric Series
- AS 4773** – Masonry in Small Buildings



MiTek's extensive range of Engineered Building Products (EBPs) ensure the structural integrity of a project isn't compromised. Their CODEMARK COMPLIANT EBPs, as listed in certificate CM70055, are all designed to meet specific load-bearing and engineering requirements and are tested and certified to Australian Standards to ensure peace-of-mind and performance. Every MiTek certified engineered building product is rigorously tested in a structural research laboratory to meet strength and serviceability requirements according to the Australian standards. Independent laboratory testing and verification also accompany various products. (For example, MiTek PosiStrut floor truss system has a certificate of assessment by NATA registered laboratory, Warringtonfire Aus Pty Ltd for FRL 90/90/90 and FRL 120/120/120 fire resistant level, which was obtained through testing in accordance with AS1530.4 – Methods for fire tests on building materials, components and structures - Fire-resistance tests for elements of construction).

**Some of the product testing, analytical and verification methods employed include appropriate procedures in**

- AS 1649** – Determination of Basic Working Loads for Metal Fasteners for Timber"
- AS 1720** – Timber Structures Part 1: Design Methods (Appendix D)
- ABCB** – Handbook for Structural Reliability
- ANSI/TPI 1** – National Design Standard for Metal Plate Connected Wood Truss Construction

All critical laboratory equipment (including a Shimadzu 300kN Universal Testing Machine) are regularly calibrated and independently certified to comply with NATA (National Association of Testing Authorities, Australia) standards.

## PRODUCT INFORMATION

All MiTek engineered structural building products are supported by detailed specifications, including certified design properties and installation requirements. They are freely available and widely distributed in printed hard copies, online digital format, and in apps for smart phones and tablets.



**Specific engineering certificates and independent laboratory certificates where obtained) for individual products are also available.**