

KIN-NEON

Modular Roof Frame System

Plug. Lock. Build Strong.

A smarter way to frame roofs. The Kin-Neon Modular Roof System uses precision engineered steel connectors and standard timber members to create a faster, safer and more accurate build.



FASTER BUILD

Pre-engineered connectors remove measuring and cutting complexity.



STRONGER STRUCTURE

Steel connectors create solid connections and better load paths.



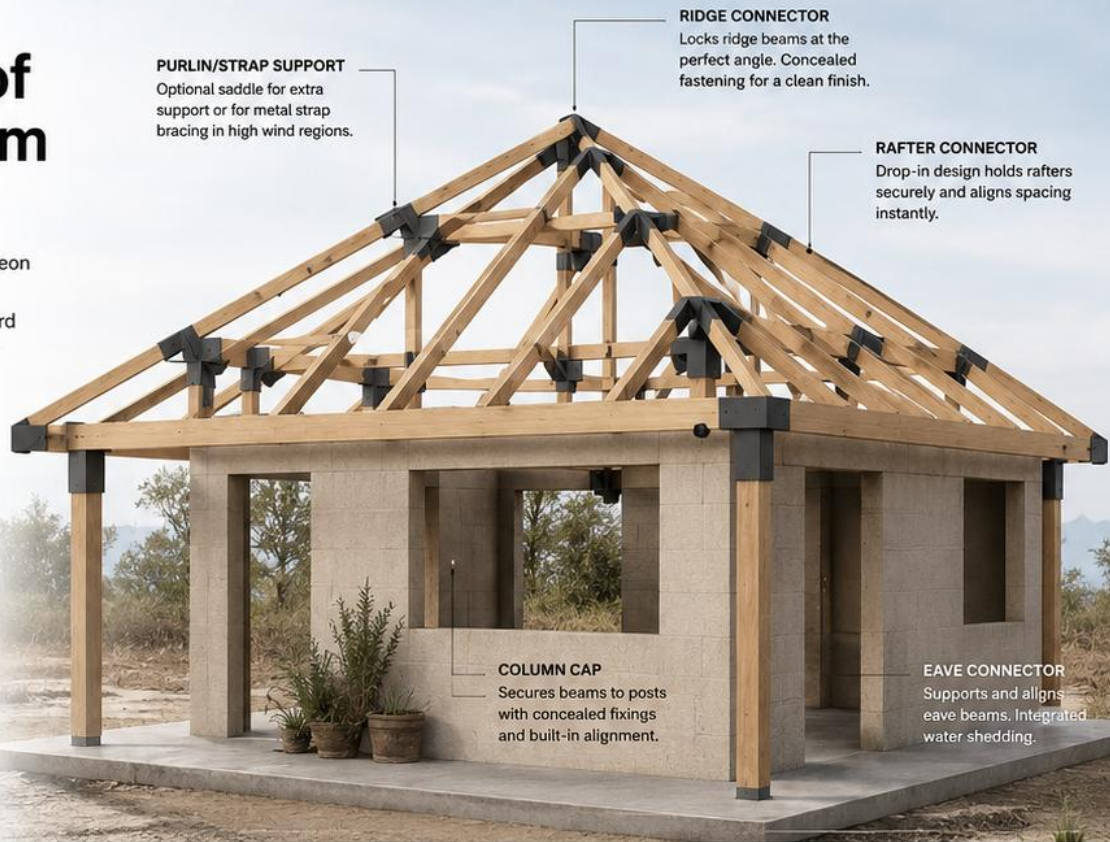
EASY FOR EVERYONE

Designed for semi-skilled labour and remote community builds.



REPEATABLE & SCALABLE

Standardised components deliver consistent quality every time.



PURLIN/STRAP SUPPORT
Optional saddle for extra support or for metal strap bracing in high wind regions.

RIDGE CONNECTOR
Locks ridge beams at the perfect angle. Concealed fastening for a clean finish.

RAFTER CONNECTOR
Drop-in design holds rafters securely and aligns spacing instantly.

COLUMN CAP
Secures beams to posts with concealed fixings and built-in alignment.

EAVE CONNECTOR
Supports and aligns eave beams. Integrated water shedding.

CORE CONNECTORS



COLUMN CAP
Connects post to beam. Concealed fixings. Built-in alignment.



RAFTER CONNECTOR
Drop-in rafter seat. Self-locating slots for perfect spacing.



RIDGE CONNECTOR
Locks ridge beams together. High load capacity.



EAVE CONNECTOR
Supports eave beam. Integrated drip edge and alignment.



PURLIN SUPPORT
Supports purlins or strap bracing. Versatile mounting.

SYSTEM FEATURES



Concealed Fastening



High Wind Performance



Precision Alignment



Corrosion Protected



Modular & Scalable



Standard Timber Sizes

SIMPLE ASSEMBLY SEQUENCE



1 SET POSTS
Secure posts to slab or footing. Fit column caps.

2 INSTALL BEAMS
Drop beams into column caps and lock in place.

3 ADD RAFTERS
Drop rafters into connectors. Spacing self-aligns.

4 INSTALL RIDGE
Lock ridge beams into ridge connector. Structure is now rigid.

5 ADD PURLINS/STRAP
Add purlins or metal strap bracing where required.

BUILT FOR AUSTRALIAN CONDITIONS

- ✓ Engineered for high wind & cyclone regions
- ✓ Compatible with timber or metal roofing
- ✓ Corrosion protected steel for long life
- ✓ Optional bracing points for extra safety

IDEAL FOR

- Remote Housing
- Community Projects
- Mining Accommodation
- Emergency & Rapid Deployment

SYSTEM OVERVIEW

The Kin-Neon Modular Roof System turns traditional roofing into a simple, repeatable process. Using a family of steel connectors and standard timber, anyone can build a safe, strong roof—faster and with less waste.



NEXT STEPS

- Prototype & testing
- Structural engineering certification
- Field trials & refinement
- Scalable manufacturing

KIN-NEON

Build better. Build together.