

ECOPA FRAMEWORK

Lighter than wood. Stronger than steel. More durable than both.

ECOPA Framework is an engineered composite formwork system — the mould that shapes cast-in-place and precast concrete — rebuilt from the material up. It is worked by hand like timber, holds geometry like steel, and returns to the next pour hundreds of times over a service life measured in decades.

23+

Years of tradition

Engineering refined across more than two decades in the field.

50+

Global markets

Deployed on construction sites across the world.

20 yr

Minimum service life

A maintenance-free lifespan of at least twenty years.

5 mm

Nail capacity

Accepts carpenter nails up to 5 mm without damage.

KEY PROPERTIES

- Lighter than timber — hand-workable, fast to position
- High mechanical resistance and load capacity
- Hundreds of casting cycles per panel
- Retains a smooth, release-ready surface
- Does not absorb moisture
- Resists rot, corrosion and delamination
- Resists UV, acids, concrete and cleaning agents
- A complete replacement for wood formwork

APPLICATIONS

- Cast-in-place walls, cores and suspended slabs
- Columns, footings and retaining structures
- Bridges, culverts, channels and heavy civil works
- Repetitive precast element production

Durability is the sustainability.

One reusable panel displaces hundreds of single-use timber boards — the environmental case is simply that it lasts.