



Custom

Printed Beams

Lightweight and cost effective alternate to real timber



# Decorative beams

Are you looking for cutting-edge materials to elevate your construction projects? Explore the endless possibilities with printed Balsa and Aluminium beams — two innovative solutions designed to meet the demands of today's architectural landscape.

Discover the future of construction with printed Balsa beams and Aluminium beams. Printed Balsa beams offer customisable design options while maintaining their lightweight and sustainable characteristics. Aluminium beams provide exceptional strength, corrosion resistance, and versatility.



## Benefits of our printed beams

- Lightweight
- Easy to install
- Cost effective
- Ultra-realistic
- Group 1 fire rated
- Versatility in design
- Sustainable sourcing

## Our beam materials

- Balsa wood
- Aluminium

# Ultra Realistic

Our printed beams offer complete customization, with no constraints on shape, size, or color. Whether you desire a specific woodgrain or wish to match a sample, our library boasts over 70 types of woodgrains to meet your needs. As well as this, we excel in replicating the authentic look of real timber, concrete, or any texture of your choosing with stunning realism. You won't be able to distinguish between our printed beams and the real materials.



Our in-house graphics team can match any colour or material you want printed.



## Cost Effective

When comparing the cost effectiveness of balsa beams to other timber, balsa is the more economical option. While other timber has its own merits in terms of strength and durability, balsa timber offers a distinct advantage because of its lightweight properties, which translates into reducing cost for transportation, and potentially lowering labour expenses.

## Lightweight

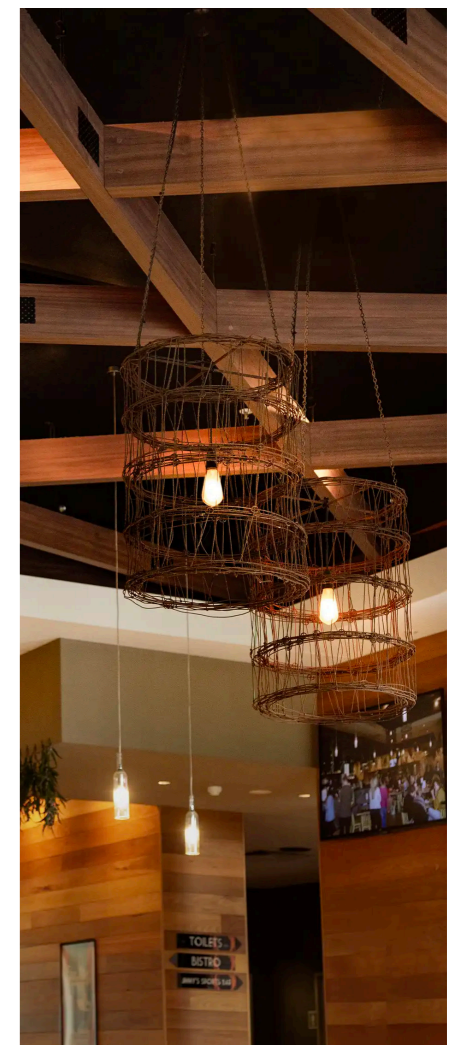
Even though Balsa wood is classified as a hardwood, balsa is both lightweight and strong, making them a favoured material for engineering and architectural applications.

Derived from the balsa tree, these beams possess a remarkable strength-to-weight ratio. Their lightweight nature makes ease of handling, transportation and installation, reducing overall construction time and costs.

Our Balsa Beams enable you to effortlessly realise unique designs what would otherwise be unattainable. With our printed beams, you aren't limited by shape or thickness; we can craft structures with thicknesses of up to 98mm in various shapes and lengths.



Do you need a fire resistant material?  
These aluminium printed beams (below) are Group 1 Fire Rated



## Fire Rating

Aluminium beams are renowned for their Group 1 Fire Rating, indicating excellent fire resistance. This is due to the high melting point and low flammability, therefore, Aluminium beams are highly favoured in public spaces such as at hospitals, schools, libraries and shopping centres.

Balsa beams have a Group 3 Fire Rating, indicating moderate resistance to fire. While they may ignite under intense heat, they burn slowly and contribute minimally to the spread of fire.

## Jigsaw Join

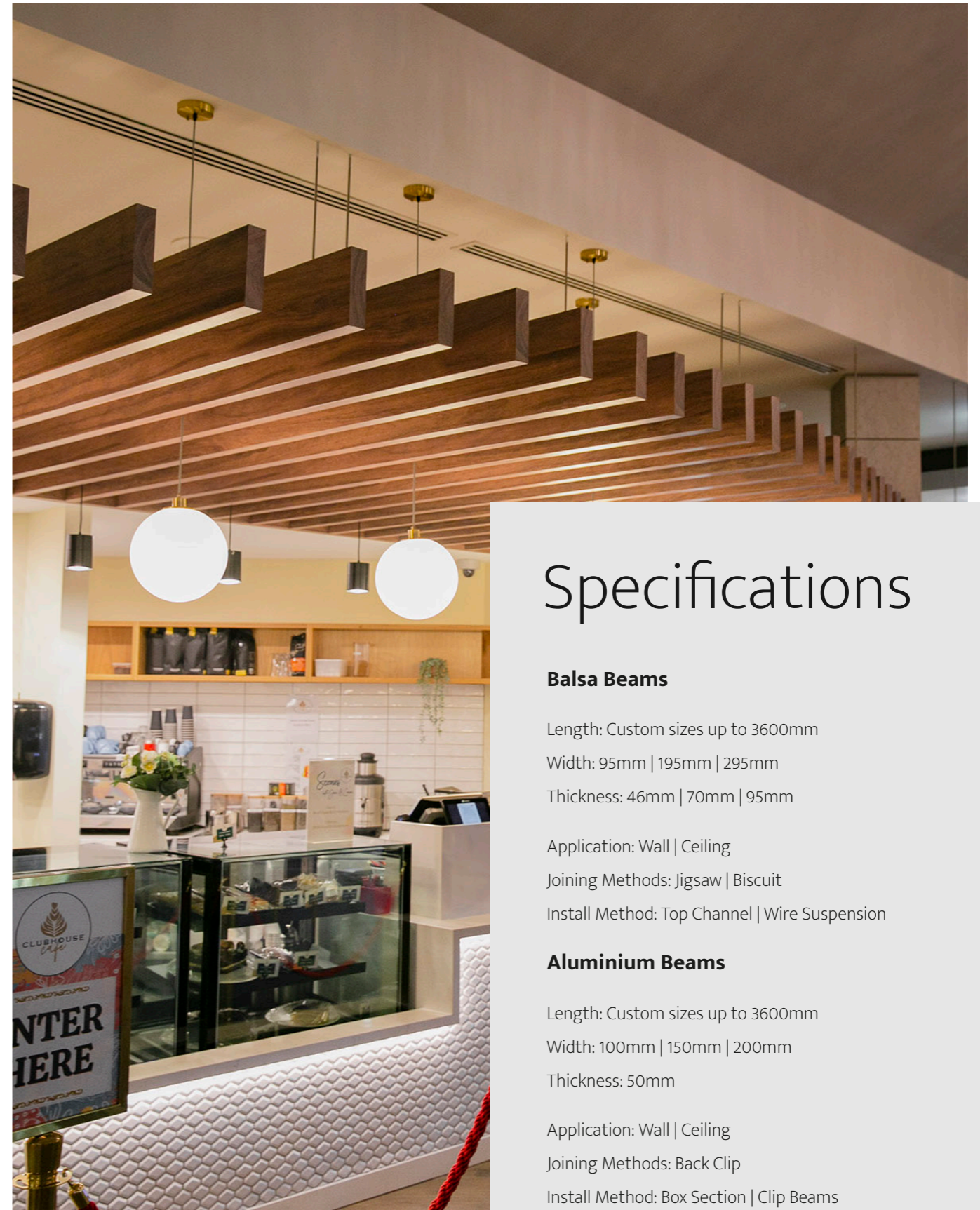
Our unique 'jigsaw' joining system is strong, easy and requires only glue. Once joined, each length of beam will blend seamlessly into one another creating the illusion of one large beam.



## End Caps

When the end of beams are exposed we can supply printed end caps to match. This really sells the appearance of solid timber.

We also offer printed screw caps to match any colour or woodgrain, perfect for seamlessly hiding screw holes.



## Specifications

### Balsa Beams

Length: Custom sizes up to 3600mm

Width: 95mm | 195mm | 295mm

Thickness: 46mm | 70mm | 95mm

Application: Wall | Ceiling

Joining Methods: Jigsaw | Biscuit

Install Method: Top Channel | Wire Suspension

### Aluminium Beams

Length: Custom sizes up to 3600mm

Width: 100mm | 150mm | 200mm

Thickness: 50mm

Application: Wall | Ceiling

Joining Methods: Back Clip

Install Method: Box Section | Clip Beams



## Contact Us

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