

**SUPA**SPAN

**ASH**

# Structural Timber

Longer. Straighter. Stronger.

# What is SUPASPAN?

SUPASPAN is a range of carefully manufactured structural timber offering maximum reliability and quality.

Manufactured in Australia from Australian Oak (Tasmanian Oak), the SUPASPAN range includes traditional solid F17 and SUPALAM F17.

There are many reasons SUPASPAN is the best choice for your structural timber needs:

- Beautiful appearance, allowing members to be exposed.
- Longer, straighter spans (particularly when compared to softwoods), requiring fewer stumps and smaller sections in joists, bearers and studs.
- Less components means less time and resources required on site.
- Higher strength in smaller dimensions for multi-residential apartments when used as studs.
- High load-bearing with smaller sections means less space is taken up by load bearing timber.
- Better holding ability for floors and decks.
- BAL rating at BAL-19 when 400mm above ground.
- Third-party audited for quality and strength.
- Australian grown and manufactured.

## For the builder who puts quality first

Quality is the hallmark of a lasting reputation in building and construction. Builders who insist on providing the best possible product for the job, choose structural timber from ASH's SUPASPAN range.

Whilst there are many imported structural products on the market, they are often designed to be "fit for purpose" and typically made from softwoods that have a fraction of the nail retention, compression and beauty of SUPASPAN. A major benefit of SUPASPAN is its architectural finish, allowing members to be exposed to showcase the natural characteristics of timber.



## How does SUPASPAN stack up?

*Edited table H3.1 Standards Australia AS 1720.1 - 2010*

SECTION SIZE		Australian	Strong nail holding	BAL rating	CHARACTERISTIC VALUES, Mpa									
Depth	Breadth				Bending	Tension parallel to grain	Compression parallel to grain	Shear in beams	Average modulus of elasticity* parallel to grain	Average modulus of rigidity#	Bearing		Design Density	Joint Group
mm	mm				(f'b)	(f't)	(f'c)	(f's)	(E)	(G)	Perpendicular to grain	Parallel to grain	(kg/m3)	
70 to 120	35	Y	Y	BAL19	45	26	40	5.1	14000 (F17, SUPALAM)	930	17	50	650	JD3
	45				40	24	35	4.5						
140 to 190	35				45	24	35	4.5						
	45				40	21	32	4						
240, 290	35				40	18	27	3.6						
	45				40	17	25	3.3						

\*Average modulus or elasticity includes allowance for shear deformation and is for short duration loading.

# The modulus of rigidity (estimated as a one-fifteenth of the average modulus elasticity is included for the estimation of torsional rigidity. Interpolation may be used to obtain properties for depths not listed.

Front cover: SUPALAM F17 featured in exposed structural beams in The Local House by Zen Architects. Photographed by Derek Swalwell

## Products in the SUPASPAN range:



### Solid F17

Naturally strong and beautiful solid pieces of Australian Oak (ASH's brand of Tasmanian Oak). Available in lengths up to 5.4m in all standard sizes of 35mm and 45mm thickness.



### SUPALAM F17

Engineered solid sections of F17 to provide the nailholding benefits of Australian Oak combined with a set-length, "long and straight" finished product. Available in all 35mm and 45mm thicknesses up to 7.2m long. SUPALAM uses a class 3 exterior adhesive rated for external use. It has zero formaldehyde, and is third-party audited for quality by EWPAA (Engineered Wood Products Association of Australasia).



### SUPALAM F17 - IRONASH

With a 25-year guarantee for external, above-ground applications, SUPALAM bearers and joists have superior nailholding ability for use with durable timber decks.

SUPALAM spans further than treated pine, so fewer stumps are required, saving time and money while providing greater usable storage area below a deck.

## Everything you want in structural timber...and more.



Straight edge



Very strong



Stored carbon



Insect protection\*



High nail retention



Longer spans



Consistent colour



Externally durable\*



Machines well



Sustainable



Stains well



Water based\*

*\*Applicable to IronAsh only for external applications.*



## Why Australian Sustainable Hardwoods?

Australian Sustainable Hardwoods (ASH) offers premium, responsibly-sourced timber that exceeds both environmental and performance standards.

Through precision manufacturing, ASH delivers high-performance timber solutions for modern construction. With a reputation for quality and innovation, builders can be confident they will consistently deliver outstanding results, while meeting increasing consumer demands for environmentally conscious construction materials.

## What next?

Scan the QR code or visit [ash.com.au/structural-timber](http://ash.com.au/structural-timber) for further information and to download available profile sizes and F17 span tables.



To place an order, speak with an ASH sales specialist on 03 5139 7000 or email [sales@ash.com.au](mailto:sales@ash.com.au).

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