

ENGINEERED WOOD PRODUCTS



hySPAN®



Includes  
alternatives  
to F17  
hardwood

Introducing the new hySPAN solutions range

Save money for the  
things you can see.

hySPAN solutions range

The natural solution for you.

 **CarterHoltHarvey**  
Woodproducts Australia



## Save with the hySPAN solutions range

Introducing the new hySPAN structural LVL range. It's all you'll need from subfloor to rafters. Specifying hySPAN can improve your bottom line. (And that means more money for those fancy fixtures and fittings.)

Now hySPAN is available in two complementary ranges delivering both softwood and hardwood alternative beam solutions. hySPAN PROJECT and hySPAN+ are easy to work with using traditional building tools and are clearly branded for easy identification and your guarantee of quality.

### hySPAN | PROJECT

hySPAN PROJECT is the hySPAN you've known and trusted in traditional sizes. Engineered to perform at a more affordable price.

Strong, straight and true hySPAN PROJECT provides the predictable, consistent performance you expect from hySPAN. Readily available in long continuous lengths and thicknesses including 35 mm, 45 mm, 63 mm and 75 mm and section depths from 90 mm to 600mm.

### hySPAN+

hySPAN+ offers an alternative to F17 hardwood beams for residential construction in traditional sizes. It provides the extra performance of F17 graded LVL with modified properties and sizes to suit F17 hardwood conversion.

hySPAN+ is widely available in long continuous lengths in thicknesses of 35 mm and 45 mm and section depths from 90 mm to 290 mm.



hySPAN has been proven in buildings since it was first manufactured in Australia over two decades ago. Popular uses include rafters, floor joists, beams and lintels.

The new hySPAN range is the natural solution for you.

Carter Holt Harvey ensures that its wood is legally sourced from managed forests and offer FSC 'Chain of Custody' certified upon request for green star points. Both hySPAN PROJECT and hySPAN+ are manufactured using an 'A' Bond with less than 0.5mg/l Formaldehyde (equivalent to E0) emissions from the final product.

Both hySPAN PROJECT and hySPAN+ are available H2-S TERMINATOR treated – cost effective termite protection with 25 year guarantee\* for peace of mind see next page for more information.



# And save time and money with better support

design<sup>it</sup>  
for houses

designIT<sup>®</sup> software is a powerful tool for building practitioners to quickly and simply design more economical floor, wall and roof member layouts. designIT has been recently upgraded and the enhancements include:

- NEW: Design for hySPAN+ in F17 hardwood sizes
- Beam sizing grouped in floor, wall and roofing applications
- Stud design, including design of notched studs
- Tie-down connections
- Snow loading calculation
- Increased design options for a range of building materials

Save time and money – download designIT FREE.

[www.chhsoftware.com/designIT](http://www.chhsoftware.com/designIT)

NEW & IMPROVED

series **4** DESIGN FOR LVL IN **F17** sizes



For quick, clear product answers, our technical support phone line – 1800 808 131 – links you to our newly expanded, engineering support team or you can request a representative visit.

Our experienced support team can assist with enquiries ranging from sizing and design to installation advice.

It's fast, easy and it's free.

 **1800 808 131**

Get easy access to vital technical information when you want it on the Carter Holt Harvey Woodproducts website. Keep up-to-date with the latest in the world of building as it happens. Delivered directly to your inbox, subscribing to futurefocus e-newsletter can keep you ahead of the pack. And to support our product range we have an extensive library of useful technical literature for building professionals and specifiers – ready to download now.



[www.chhwoodproducts.com.au/hyspan](http://www.chhwoodproducts.com.au/hyspan)

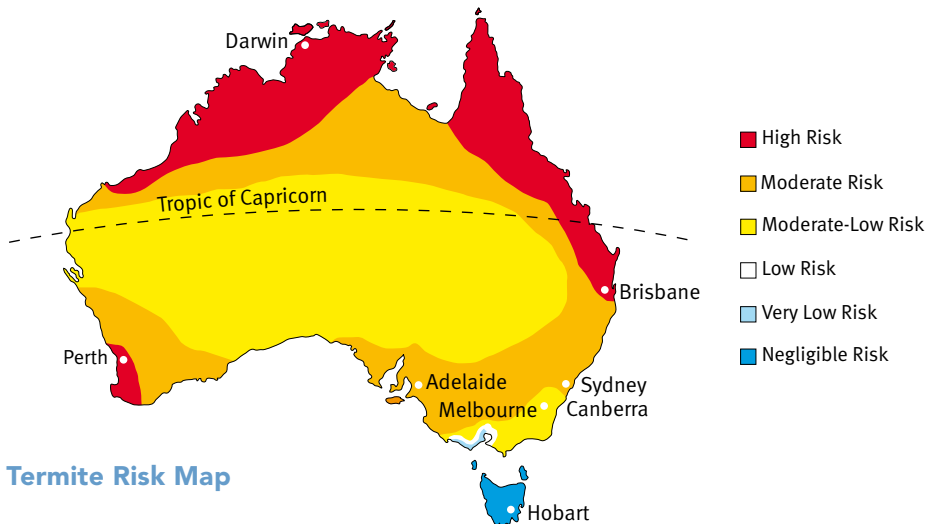
### Cost effective termite protection

A new home or renovation is a big investment, so it's natural to want to protect it from termite and borer damage. hySPAN PROJECT H2-S TERMINATOR and hySPAN+ H2-S TERMINATOR are part of Australia's leading termite protected timber solutions range. It provides long term protection against structural termite damage.

Unlike other termite management systems, TERMINATOR does not require on-going application of top up chemicals or completion of an annual inspection to maintain your warranty.

### Termites. No worries.

The TERMINATOR system and guarantee covers you for 25-years\* against termite damage to any TERMINATOR treated structural element from subfloor to rafters.

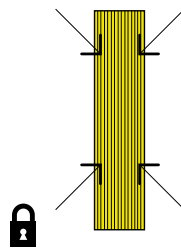


Termite Risk Map

Structural Component	Hazard Class	Situation	Location	Common Uses	Guarantee*
hySPAN TERMINATOR	H2-S	<ul style="list-style-type: none"> <li>Inside, above ground, dry</li> <li>Insect borer and termite hazard</li> </ul>	South of the Tropic of Capricorn	<ul style="list-style-type: none"> <li>Floor joists for houses, commercial floors, bearers, beams and lintel</li> <li>Roof rafters and purlins for houses and commercial systems</li> </ul>	25 years
hyJOIST TERMINATOR	H2-S	<ul style="list-style-type: none"> <li>Inside, above ground, dry</li> <li>Insect borer and termite hazard</li> </ul>	South of the Tropic of Capricorn	<ul style="list-style-type: none"> <li>Floor joists for houses, commercial floors</li> <li>Roof rafters and purlins for houses and commercial systems</li> </ul>	25 years

### Termite protected to the core

As part of the TERMINATOR range all hySPAN sections are available H2-S treated against termites for use south of the Tropic of Capricorn. The treatment is applied to the glueline during manufacture to achieve full termite protection to the core of the beam. No further sealing is required on cut ends, holes or notches. Other treatment levels may be obtained from suppliers by request.



hySPAN TERMITICIDE IS 'LOCKED-UP' IN MANUFACTURE

### What are the risks of termite attack?

The biggest cost associated with termite attack is usually from repairing structural damage. Damage from termites is not usually covered by home insurance. Check with your local council to see if higher risks apply to your specific area.



**The complete TERMINATOR range**

The complete Carter Holt Harvey TERMINATOR range is the natural choice when it comes to termite management. Cost effective, termite protection for your structural timber elements, at only a fraction of the cost of termite damage repairs.

The complete range includes:

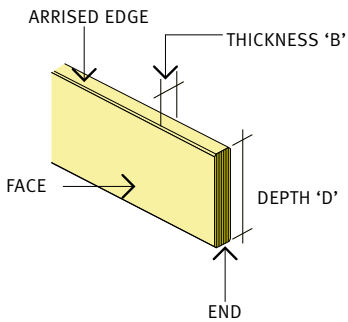
- hySPAN PROJECT H2-S TERMINATOR
- hySPAN+ H2-S TERMINATOR
- hyJOIST H2-S TERMINATOR
- LASERframe TERMINATOR
- STRUCTAflor TERMINATOR and R-flor TERMINATOR.



\* The guarantee is provided by the chemical supplier for the benefit of the property owner. It is a limited and conditional guarantee covering the provision of replacement product in Australia. The full terms and conditions are available at [www.chhwoodproducts.com.au/guarantees](http://www.chhwoodproducts.com.au/guarantees)

**Technical Specification**

**Product Description**

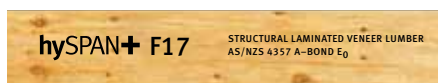


hySPAN® is structural laminated veneer lumber (LVL) which has been manufactured in accordance with AS/NZS 4357. hySPAN is manufactured from plantation timber, which is rotary peeled, dried, and laminated together in continuous long lengths. The veneers are bonded together using a Type 'A' (marine) bond, which has proven performance for in excess of 50 years. hySPAN is produced with a minimum grade 'D' face and is not generally used for appearance applications.

**Properties and Identification**

The properties of hySPAN have been determined by testing as required by AS/NZS 4357. Free designIT® software or span tables can be used to specify hySPAN beam sizes for houses or similar structures. Alternatively, the product specification and properties for design to AS1720.1 are available at [hySPAN.com.au](http://hySPAN.com.au)

**Beam Branding**

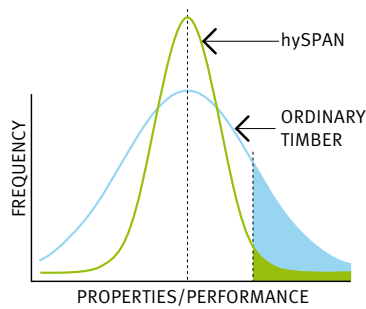


**Fixing of hySPAN**

hySPAN may be installed and fixed in exactly the same way as seasoned timber. AS1684 contains many standard details for fixing of timber members, which can be used as required. To determine the capacity of any fasteners used with hySPAN, joint group JD4 properties shall be taken to apply.

**Structural Reliability**

hySPAN is manufactured by laminating various grades of veneer in a predetermined pattern in order to impart predictable and reliable structural properties. The uniformity of hySPAN is the key to its high strength and stiffness properties, giving specifiers and builders the confidence of meeting customer expectations.



**Wood, naturally.**

Wood is one of the world's most environmentally friendly building products. It is natural, renewable, biodegradable and overall sustainable. Studies have shown that timber easily outperforms concrete, steel and aluminium when comparing embodied energy.

Material	Energy used in Production (MJ/m <sup>3</sup> )	Carbon Released (kg/m <sup>3</sup> )	Carbon Stored (kg/m <sup>3</sup> )
Timber	750	15	250
Steel	266 000	5 320	0
Concrete	4 800	120	0
Aluminium	1 100 000	22 000	0

Source: 2003 CRC for Greenhouse Accounting

Timber is the only building product that is a natural carbon store and plays a major role in combating climate change.

Carter Holt Harvey – using wood, naturally for a responsible and sustainable business.

For further information on our environmental initiatives visit [www.chhwoodproducts.com.au](http://www.chhwoodproducts.com.au)



## hySPAN solutions range<sup>†</sup>

The table below contains the standard sections for the new hySPAN range. Depths of 120, 140, 190 and 290 are not stocked in all states. It is recommended specifiers either select the nearest appropriate hySPAN PROJECT size suitable for the application or check with your local stockist for availability. For more detailed information about the product simply download a copy of the 'hySPAN PROJECT hySPAN+ specification' sheet from [www.chhwoodproducts.com.au/hySPAN](http://www.chhwoodproducts.com.au/hySPAN)

hySPAN PROJECT & hySPAN+ (F17 graded LVL)			
35 mm	45 mm	63 mm	75 mm
<b>Section Depth</b>			
90+	90+	90	-
120+	120+	-	-
130	130	130	-
140+	140+	-	-
150	150	150	150
170	170	170	-
190+	190+	-	-
200	200	200	-
240+	240+	240	-
290+	290+	-	-
-	300	300	300
-	360	360	-
-	400	400	400
-	-	450	-
-	-	-	525
-	-	600	600

+ hySPAN+ (F17 graded LVL)  
  hySPAN PROJECT

<sup>†</sup>Available H2-S Termite Treated and Untreated

### Product Certification – your guarantee of quality

Carter Holt Harvey Woodproducts is committed to manufacturing innovative engineered building products. For quality assurance the hySPAN range is manufactured with independent audit processes and product certification.

Available from:

Technical Support

 **1800 808 131**

[chhwoodproducts.com.au/hyspan](http://chhwoodproducts.com.au/hyspan)