

OUTDOOR

ALLseasons®

Outdoor structural timber that looks great and lasts whatever the season.

NOW  
AVAILABLE  
IN TWO  
TREATMENT  
PRESERVATIVE  
OPTIONS

The natural solution for you.

 **CarterHoltHarvey**  
Woodproducts Australia





Not all outdoor structural timber is the same. If it is performance and good looks you are after then you can't go past the **ALLseasons®** structural range.

#### Reliable Strength

You can be confident using the ALLseasons range. ALLseasons is manufactured using modern timber processing technologies including stress grading to ensure it performs in load bearing applications. This delivers a durable timber product of consistent quality with superior span performance.

#### Consistent Good Looks

ALLseasons timber is put through a strict visual selection criteria. This means you can be confident you won't spend the next 20 years staring at a great big knot hole in your pergola joists.

#### Durable & Safe - ALLseasons is available in two treatment preservatives

CCA, is a proven long-term performer and it continues to be a long lasting treatment for the majority of outdoor applications including deck and pergola structures.

LOSP H3 (light organic solvent preservative) is an effective preservative formulation designed to provide lasting protection for wood products used in external situations above ground Hazard Level 3 (H3 Australia). The formulation contains a fungicide for protection against fungal decay and an insecticide to provide lasting protection from termites and other wood boring insects.

ALLseasons LOSP H3 also contains a combination of wax and resin that is designed to reduce the uptake of water by the timber during construction. This improves its stability by reducing the dimensional changes that would otherwise occur as water is absorbed and lost.

#### Wide Range

ALLseasons is available nationally in a large range of sizes and lengths.\*\*

Size (mm)	Grade	Treatment (Hazard Class)	Lengths Available (m)
70x35	F7 - MGP10	H3	2.4 - 6.0
90x35	F7 - MGP10	H3	2.4 - 6.0
140x35	F7 - MGP10	H3	2.4 - 6.0
190x35	F7 - MGP10	H3	2.4 - 6.0
70x45	F7 - MGP10	H3	2.4 - 6.0
90x45	F7 - MGP10	H3	2.4 - 6.0
140x45	F7 - MGP10	H3	2.4 - 6.0
190x45	F7 - MGP10	H3	2.4 - 6.0
240x45	F5 - MGP10	H3	2.4 - 6.0
290x45	F5	H3	2.4 - 6.0
90x70	F7	H4	2.4 - 6.0
90x90	F7	H4	2.4 - 6.0

A range of non-structural 19mm boards is also available nationally.

\*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 used in Australia. The full terms and conditions are available at [www.chhwoodproducts.com.au/guarantees](http://www.chhwoodproducts.com.au/guarantees).  
\*\*Not all sizes are available in all states. Check availability with your timber supplier.

#### Versatile & Easy to Use

ALLseasons is an easy timber to work with and can be cut using conventional hand or electric saws. It is lightweight and easy to handle and can be painted or stained to match any colour scheme.

#### Environmentally Responsible Choice

ALLseasons is made from renewable plantation pine grown in accordance with recognised environmental standards, including PEFC and FSC. We offer FSC or PEFC chain of custody certified products upon request.



#### Guaranteed Performance

By purchasing ALLseasons you can be assured of long term performance. Our entire ALLseasons range is backed by a chemical supplier guarantee against termite and fungal attack for up to 25 years.\* Simply keep a copy of your invoice and the treatment tag which is stapled to the end of the stick as proof of purchase in the unlikely event of needing to make a warranty claim.



#### Cost-effective

The wide range of sizes and lengths available make it easier to keep your material costs down and help to reduce wastage.

## Things to consider when selecting timber

### Structural Grades

For load bearing applications it is important to use appropriate structurally graded timber such as F5 or F7. Look at the tag or stamp at the end of the timber stick to check if the timber is structurally graded - it will be marked as F5 or F7.

### Treatment Needed

The right treatment level for the job is determined by the environmental hazards the timber will be exposed to. For example, a timber post placed directly in the ground will be exposed to a greater level of dampness than a timber joist and therefore needs to be treated to at least an H4 level.

ALLseasons is branded on one end of each piece either with a stamp or a stapled tag. This branding identifies the manufacturer, the treatment used and the hazard level.



Example of a treatment end-tag.

## Treatment levels available in ALLseasons range

### Treatment Types

ALLseasons outdoor timber is available in two treatment types, 1/ Copper Chrome Arsenate (CCA) and 2/ Light Organic Solvent Preservative (LOSP), however by special order it can also be treated with Alkaline Copper Quaternary (ACQ). You can identify the preservative used by looking at the end-tag stapled on the end of the timber or ask your timber merchant.

## Installation and handling information

### Resealing

All cut ends of ALLseasons should be treated with a preservative to keep the treatment envelope intact.

There is a range of brush-on or spray alternatives available. Ask your timber merchant for more information. For the ultimate protection we recommend that all ends are sealed. End-cuts exposed to weather (e.g. post tops) should be cut at an angle to allow water to run off to further protect your timber.

### Finishes

ALLseasons has been treated to make it suitable for outdoor use. The treatment protects the timber from fungal decay and insect attack, but not from weathering (exposure to sun and rain). Weathering will cause the timber to turn a silver-grey colour and some surface checking and splitting may occur. The application and regular maintenance of coatings such as paints and stains will reduce weathering.

We recommend all surfaces are coated with one application of finish before assembly to ensure complete coverage. Additional coats can be applied to the finished project as required.

### Paints

Whatever finish you use, always check the label of the finishing product and follow the manufacturer's instructions. Paint offers the most protection but obscures the timber colour and grain. Painting does allow for the longest interval between recoats: up to 10 years. ALLseasons LOSP treated timber can be coated with most industrial alkyd(oil) based joinery primers once the timber has completed drying after treatment. ALLseasons LOSP treated timber may be painted with alkyd/oil based primers. To achieve a durable finish subsequent on-site preparation and top-coating should be as recommended by the manufacturer. Certain acrylic primers are not compatible with ALLseasons LOSP treated timber. If acrylic primers are to be used it is advisable to contact the paint manufacturer before use.

### Stains

Stains allow the grain and texture of the timber to be seen and can minimise the effects of UV light. They may lose their effectiveness after two years necessitating reapplication of the stain.



### Clear Finishes

These finishes allow the full beauty of the timber to be seen but when exposed to sunlight they also allow UV damage. They are usually only effective protection against moisture loss for periods of 6 to 18 months prior to reapplication being required.

### Fixings

For normal applications all bolts, screws, nails, brackets, framing anchors and other fixings that will be in contact with preservative treated pine should be hot dipped galvanised. In harsh environments, such as those close to the sea, stainless steel or similar fixings should be used.

### Safety and Handling

We recommend following the safety and handling guidelines in the table below. For more detailed information visit our website [www.chhwoodproducts.com.au](http://www.chhwoodproducts.com.au)

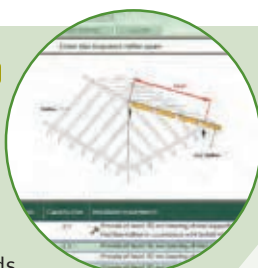
## FREE timber design software – design it for houses

Simple to use - yet deceptively powerful, designIT is a powerful tool for building practitioners to design more economical floor, wall and roof member layouts.

### Features include:

- Beam sizing grouped into floor, wall & roof applications
- Floor joist and bearer calculations to accurately design complex loads
- Tie-down connections
- Provision of Design Certificates for members sized through the programme

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



Do not burn treated pine



Always wear dust mask and goggles



Always wear gloves when working with timber



Dispose of waste in an approved landfill



### Seasoned softwood span tables: Floor joists for domestic balconies and decks – revised loading (joist spacing 450mm)

Single Span (see note below)						
	F5		MGP10		F7	
Span DxB (mm)	Span (mm)	Cant. (mm)	Span (mm)	Cant. (mm)	Span (mm)	Cant. (mm)
90x35	NS	NS	1000	300	1000	300
90x45	1100	300	1300	300	1200	300
120x35	1500	400	1800	500	1700	500
120x45	1800	500	2200	600	2000	600
140x35	2100	600	2300	600	2200	600
140x45	2300	600	2600	700	2500	700
190x35	3300	900	3000	900	3400	1000
190x45	3600	1000	3300	900	3800	1100
240x35	4200	1250	3600	1000	4400	1300
240x45	4500	1300	4100	1200	4800	1400
290x45	5500	1650	4700	1400	5700	1700

Continuous Span (see note below)						
	F5		MGP10		F7	
Span DxB (mm)	Span (mm)	Cant. (mm)	Span (mm)	Cant. (mm)	Span (mm)	Cant. (mm)
90x35	1000	300	1200	300	1300	300
90x45	1300	300	1600	400	1500	400
120x35	1900	500	1900	500	2100	600
120x45	2200	600	2200	600	2400	700
140x35	2500	750	2300	600	2700	800
140x45	2800	800	2600	700	3000	850
190x35	3400	1000	3000	900	3800	1050
190x45	3800	1100	3300	900	4200	1150
240x35	4300	1250	3600	1000	4800	1300
240x45	4800	1400	4100	1200	5400	1450
290x45	5800	1650	4700	1400	6500	1750

### Seasoned softwood span tables: Floor bearers for domestic balconies and decks – revised loading

		Floor Load Width (mm)											
		1200		2400		4800		1200		2400		4800	
		Maximum Bearer Span (mm)											
		Span	Cant.	Span	Cant.	Span	Cant.	Span	Cant.	Span	Cant.	Span	Cant.
Depth × Breadth (mm)		Single Span						Continuous Span					
F5	2/240×35	3900	1100	2800	800	1900	500	3900	1100	2800	800	1900	500
	2/240×45	4400	1300	3100	900	2200	600	4400	1300	3100	900	2200	600
	2/290×35	4700	1400	3300	900	2300	600	4700	1400	3300	900	2300	600
	2/290×45	5200	1500	3800	1100	2600	700	5300	1500	3800	1100	2600	700
F7	2/90×35	1600	400	1100	300	NS	NS	1600	400	1100	300	NS	NS
	2/90×45	1900	500	1300	300	NS	NS	1900	500	1300	300	NS	NS
	2/120×35	2200	600	1500	400	1000	300	2200	600	1500	400	1000	300
	2/120×45	2500	700	1700	500	1200	300	2500	700	1700	500	1200	300
	2/140×35	2600	700	1800	500	1200	300	2600	700	1800	500	1200	300
	2/140×45	2900	800	2000	600	1400	400	2900	800	2000	600	1400	400
	2/190×35	3500	1000	2400	700	1700	500	3500	1000	2400	700	1700	500
	2/190×45	3900	1100	2800	800	1900	500	3900	1100	2800	800	1900	500
	2/240×35	4400	1300	3100	900	2100	600	4400	1300	3100	900	2100	600
	2/240×45	4600	1300	3500	1000	2400	700	4900	1400	3500	1000	2400	700
	2/290×35	5000	1500	3700	1100	2600	700	5300	1500	3700	1100	2600	700
	2/290×45	5400	1600	4200	1200	2900	800	6000	1800	4200	1200	2900	800
MGP10	2/90×35	1300	300	NS	NS	NS	NS	1300	300	NS	NS	NS	NS
	2/90×45	1500	400	1000	300	NS	NS	1500	400	1000	300	NS	NS
	2/120×35	1800	500	1200	300	NS	NS	1800	500	1200	300	NS	NS
	2/120×45	2000	600	1400	400	1000	300	2000	600	1400	400	1000	300
	2/140×35	2100	600	1400	400	1000	300	2100	600	1400	400	1000	300
	2/140×45	2400	700	1600	400	1100	300	2400	700	1600	400	1100	300
	2/190×35	2700	800	1900	500	1300	300	2700	800	1900	500	1300	300
	2/190×45	3100	900	2200	600	1500	400	3100	900	2200	600	1500	400
	2/240×35	3300	900	2300	600	1600	400	3300	900	2300	600	1600	400
	2/240×45	3700	1100	2600	700	1800	500	3700	1100	2600	700	1800	500
	2/290×35	3800	1100	2700	800	1900	500	3800	1100	2700	800	1900	500
	2/290×45	4300	1200	3100	900	2100	600	4300	1200	3100	900	2100	600

#### Span Table Notes

i. These tables assume the building practice contained in AS1684 – 2006 – Residential Timber Framing Construction and should be read in conjunction with that standard. ii. Check available joist and bearer lengths with your supplier before specifying. iii. While the same deflection criteria used by Timber Solutions © to produce the AS1684 span tables have been used, the resultant deck may exhibit some “bounce”. Where this is not desirable, for sizes above 190×35 mm designers and builders may reduce the spans by 500 mm and cantilevers by 250 mm. iv. Maximum deck joist span is based on supporting a maximum decking mass of 20 kg/m<sup>2</sup>, imposed point load of 1.8 kN, imposed distributed loading of 2 kPa and 450 mm joist spacing. Suitable for high and low decks. v. Maximum cantilever length is 30% of the backspan. Minimum backspan is 200% of overhang. vi. Joists crippled over supports must be considered as single span joists. vii. Bearers crippled or joined over supports must be considered as single span bearers viii. Where joist depth is more than 4 times greater than breadth, restraint may be required. Refer AS1684.2 or AS1684.3 Cl. 4.2.2.3. ix. Multiple bearer members shall be nailed together as per AS1684.2 Cl. 2.3. x. Bearing lengths shall be a minimum of 35 mm at end supports and 70 mm at internal supports for continuous members. xi. Continuous indicates continuous members, i.e. where the joists span over 3 or more bearers. xii. Cant. indicates the allowable cantilever length. xiii. NS = Not suitable.

Source: These tables have been produced using Timber Solutions software Version 2.02 © Forest and Wood Products Research and Development Corporation (FWPRDC) September 2007.

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