



onefortyone.com

Product catalogue



Every area harvested is replanted with more trees than were harvested, ensuring there is a supply of timber for the future.



OneFortyOne is a world-class sustainable forest grower and forest products company with a multi-regional approach to investing in and growing its business in Australia and New Zealand.

We are strongly committed to the stewardship and long-term sustainability of our assets, associated businesses and surrounding communities.



From our origins in the OneFortyOne meridian east line between the South Australian and Victorian border, we began from within the Green Triangle of South Australia.

We remain strongly committed to the regions and industries we operate in as we continue to grow and expand our business.

Production facilities

Our plantation is located within the Green Triangle of south east South Australia, and south west Victoria. As reflected in its name, it is one of Australia's major forest regions.

In January 2018, OneFortyOne expanded to include the Jubilee Highway mill in Mount Gambier, making it one of the largest vertically integrated forest products businesses in Australia.

In September 2018, OneFortyOne became trans-Tasman with the acquisition of Nelson Forests in New Zealand, comprising more than 68,000 hectares of Pinus Radiata. Nelson Forests is a vertically-integrated forest and sawmill business that operates in the Nelson Tasman and Marlborough regions of New Zealand.

Our growth exemplifies our commitment to regional forest industries and the communities of which we are a part.

We are strongly committed to the stewardship and long-term sustainability of our estates and growing the ultimate renewable.

Sustainability

OneFortyOne knows how important it is to manage our forests for the long term.

In growing the ultimate renewable, it supports jobs, the local economy and regional communities.

The company's silvicultural regime aims to maximise survival of the forest and optimise sawlog volume and estate value. The regime has been developed, implemented and refined in the Green Triangle since the 1880s. This makes OneFortyOne's forests some of the longest managed softwood forests in Australia. The combination of climatic conditions and flat accessible terrain and supporting road networks makes the Green Triangle region ideal for forestry.

In some instances, the trees are the third generation of trees on the site.

The Green Triangle region

Our plantation is located within the Green Triangle of south east South Australia, and south west Victoria. As reflected in its name, it is one of Australia's major forest regions. Our estate is the largest softwood plantation in the region, comprising more than 80,000 hectares of Pinus Radiata.

With ready access to Queensland, New South Wales, Victoria and South Australian markets, the region delivers a major competitive advantage.

Sustainable forests

Sustainable forest management epitomises the very ethos of OneFortyOne.

The estate and our management practices are recognised as being best practice, and that endorsement is sealed through our independent certification to the Australian Forest Certification Standard (AS 4708-2013).

We are sustainable, replanting everything we harvest.

We grow people's future homes, and we do it in some of the best forests in the world.



Structural framing



Stress Grading Timber

What is grading?

Grading is the sorting of timber with similar properties into consistent groups or grades.

When manufacturers grade timber products accurately and consistently end-users can be confident the products will have the appropriate properties to satisfy the functional requirements of the job.

Timber used in a load bearing application needs to have a stress grade. For pine, there are two Australian Standard grading systems:

F-grades

Typically, F5 and F7

MGP grades

MGP10, MGP12 and MGP15 (also referred to as M10, M12 and M15)

The standards for softwood grading are:

AS 2858 Timber - Softwood

Visually stress-graded for structural purposes and

AS/NZS 1748 Timber

Mechanically stress-graded for structural purposes

Identifying timber grade and treatment

To identify the treatment and grading type of our timber refer to the stamp on the face of the product.

- 1 Timber brand
- 2 Grade
- 3 Australian standard
- 4 Time and date of manufacturing



Grades

MGP15

Grade Grading (typical) Machine graded pine
Typically used in commercial application such as trusses.
Available in limited quantities.

MGP12

Grade Grading (typical) Machine graded pine
Typically used in trusses, wall frames & general framing.

MGP10

Grade Grading (typical) Machine graded pine
Typically used in trusses, wall frames & general framing.

F7

Grade Grading (typical) Machine, visual graded pine
Typically used in frame and truss or general framing.

F5

Grade Grading (typical) Machine, visual graded pine
Typically used in frame and truss or general framing.

MERCH

Grade Grading (typical) Ungraded
Typically used in jobs which don't need a structural grade or an appearance grade.

Safety and disposal

Basic safety recommendations are the same for all timber including preservative treated timber.

- Wear gloves.
- Wear eye protection and dust mask.
- Don't burn (untreated can be burned).
- Off-cuts can be disposed of in landfill but check with local authorities.

For further safety recommendations see OneFortyOne Safety Data Sheets (SDS) available at: onefortyone.com.au

Timber Brand		
Plant	Chemical	Hazard Class (see page 7)
First 3 digits	Second 2 digits	H followed by number - set out in AS 1604

Preservative treatment of timber



In Australia, the level of preservative treatment is determined by the end use of the timber or “Hazard Class” as defined by Australian Standards as follows:

While plantation pine is a great product for many situations, there are applications where preservative treatment can enhance the durability of pine in situations of termite and borer attack, and also against fungal decay depending on the type and level of treatment.

Hazard Class	
H2	<p>Exposure conditions: Inside, above ground. Protected from wetting. Borers and termites.</p> <p>H2 application and limitation: H2 products used in indoor non weather or moisture exposed situations such as internal wall framing.</p>
H2F	<p>Exposure conditions: Inside, above ground. Protected from wetting. Borers and termites.</p> <p>H2F Application and Limitation: As above except that must be used South of Tropic of Capricorn only.</p> <p>OneFortyOne product: Envelope-treated Blue structural framing.</p>
H3	<p>Exposure conditions: Outside, above ground. Subject to periodic moderate wetting and leaching. Moderate decay, borers and termites.</p> <p>H3 application and limitation: Typical uses include pergolas and deck supports as well as decking boards.</p> <p>OneFortyOne product: Low odour pressure/vacuum treated structural timber and decking boards.</p>
H4	<p>Exposure Conditions: Outside, in-ground. Subject to severe wetting and leaching. Severe decay, borers and termites.</p> <p>Application and limitation: Uses include in-ground posts and landscaping timbers. Not suitable for structural retaining walls or critical in-ground situations.</p> <p>OneFortyOne product: Posts and rails.</p>



Weathering and maintenance

In outdoor applications, pine timber products will be exposed to the effects of sunshine and rain which will cause movement of the timber causing cracking and allowing water entry and retention and also degradation of the surface.

While preservative treatment will protect against insect and fungal decay, it does not protect the timber against weathering.

To maintain the surface of the timber and create a suitable aesthetic appearance a level of protection and maintenance is desirable in outdoor applications and this is usually achieved by using physical structures such as awnings and eaves, and also by application of water repellents and coatings.

Coatings have limited life and require maintenance and reapplication. The manufacturer should be consulted for surface preparation, application and maintenance advice. In the case of rural rounds and posts etc, coatings are generally not applied.

Durability

The Australian Standard for the production of preservative treated timber products is the AS/NZS 1604 series. The National Construction Code (NCC) references this standard through house framing and other standards as Deemed-to-Satisfy the requirement of the NCC for durability where required.

In addition to the provisions of building regulation and standards, the preservative manufacturer provides a limited guarantee for timber products preservative treated by OneFortyOne.

The Guarantee excludes certain rural products. For further details of the guarantee, see kopperspc.com.au

Use of remedial preservative

A remedial, brush-on remedial or resealing preservative is recommended for the cut ends of treated wood products. This is a requirement of the limited Guarantee.

Exceptions are resealing the cut-ends and drill holes of Blue H2F treated framing which does not require resealing.

Suitable remedial preservatives are Copper Naphthenate (Protim Solignum CN oil) for copper based preservatives and Zinc Naphthenate/ Permethrin (Protim Solignum XJ).



Importantly OneFortyOne is committed to investing in our infrastructure with technology to ensure we remain at the cutting edge of mill efficiency.

Framing



For millennia timber has been used for construction around the world with many timber framed buildings being in service for hundreds of years or more.



Product summary

Pine is the most reliable, flexible and cost-effective way to build a frame.

OneFortyOne Structural Framing is a structurally graded product made from sustainable plantation pine.

It's made to Australian Standards, lightweight yet strong and with consistent supply you can rely on it to be in stock when you need it.

What are the key benefits?

- Lightweight and easy to transport.
- High strength to weight ratio.
- Kiln dried to improve strength and nail holding whilst minimising distortion.
- Using Plantation pine timber removes carbon from the atmosphere and stores it in the frame.
- Available preservative treated – Blue Framing, suitable for framing applications South of the Tropic of Capricorn only.

OneFortyOne Blue treated framing uses synthetic pyrethroid to deliver cost-effective and reliable termite protection guaranteed for 25 years.

Where can the product be used?

- Can be applied to internal framing ranging from typical house frames to our larger section sizes for higher load applications needed for multi-residential and mid-rise projects.

- Our structural framing makes additions to existing homes easy, be they a second-storey or just an additional room.

Sizes and grades

Structural pine is available in:

- 0.3 length increments from 0.9m to 6m
- Section sizes from 70 x 35 to 190 x 45

However, not all retailers will stock all sizes and dimensions.

Structural untreated pine

Available in the following grades:

- MGP10
- MGP12
- MGP15
- F5

Structural H2 Blue Preservative treated pine

Available in the following grades:

- MGP10
- MGP12
- MGP15
- F5

Outdoor treated timber



Since 2012, OneFortyOne has contributed more than \$1 million in donations to a range of community partnerships and initiatives.



The OneFortyOne outdoor structural range is made for outdoor load bearing applications such as the sub-structure of a deck or the framework of a pergola, cubby house or carport.

Structurally and visually graded so you can be assured that it will not only stay straight and strong, it will also enhance the look of your project.

Onefortyone decking boards are also available and are ideal for your decking project.

Treated with Light Organic Solvent Preservative (LOSP), it carries a 25 year limited guarantee against fungal, and insect attack. You can be sure your outdoor living space will stand the test of time.

What are the key benefits?

LOSP treatment does not require redrying during production, meaning it is less likely to move out of shape, retaining its stability and reducing wastage.

- Structural timber is machine graded for structural integrity and visually graded for superior appearance.
- Dressed all round (DAR) for a superior finish, ready to paint.
- Australian Standards - Manufactured in accordance with AS/NZS1748.1
- Comes with a fully transferable 25 year guarantee.
- Easily painted or stained to suit any style of project.

Follow paint manufacturer's instructions *

Where can the product be used?

Structural LOSP treated framing is ideal for building load bearing, outdoor projects such as deck substructures, pergolas and carports.

- Treated to H3 (Hazard Class 3) suitable for above ground applications (150mm above finished ground level).
- Suitable for internal framing in wet areas, such as bathrooms for added structural security.
- Decking boards suitable for any domestic decking project.

Decking



OneFortyOne Pine Decking, plantation timber is sourced from sustainably managed forests and then processed and preservative treated, yielding a superior decking product.



Product summary

OneFortyOne Pine Decking is treated against insect attack and fungal decay, and is covered by a limited guarantee* for 25 years. However, there are still a few things you need to know to make sure your deck looks great and performs well for the life of the product.

Decking construction

For advice on the construction of decks, spacing of boards, fixings to use and more, consult the Wood Solutions Technical Guide 21 – Domestic Timber Deck Design which is available from the Wood Solutions website, woodsolutions.com.au

Where boards are cut, the exposed ends should be resealed with a remedial brush-on or spray-on preservative containing Zinc Napthenate or similar available from your hardware retailer.

Finishing your decking

While your Pine Decking boards have been processed to look great when you install your deck, over time all timber products will expand and contract with changes in moisture and this can lead to "checking" or small cracking of the surface.

All unprotected timber products will weather over time to a grey colour and additionally, if the deck remains constantly high in moisture, there is more chance for unsightly mould to develop.

It is recommended that your pine timber deck is coated with a moisture repellent coating to enhance and maintain your deck and a large range of water-based and oil-based coatings are available in a range of colours.

Consult the coating manufacturer for advice on the range of products available.

If you intend on pre-coating your decking boards, you should separate the boards and store in a weather protected environment for a minimum of 2 weeks before applying your finish. If you are coating the decking after it is laid, again wait a minimum of 2 weeks before applying your coating.

Remember, follow the coating manufacturer's instructions. For further information see OnefortyOne brochure "Decking Finishing and Maintenance"

Dressed rails and sawn posts



In the past year, OneFortyOne's Green Triangle Plantations were certified for the sixth consecutive year.

Product summary

The range of dressed rails and sawn square posts are chosen for their aesthetic appearance and used to produce premium rural fencing property entrances and livestock enclosures.

Features and benefits

- Used by fencing contractors and farmers due to their ease of installation
 - Provides a symmetrical, robust appearance that makes a statement for driveway and boundary fences on farms, rural properties or lifestyle blocks
 - Treated with Creosote - timber rails are suitable for above ground and sawn posts are suitable for in-ground use
- Available in a range of lengths and widths to meet most project requirements
 - Produced in Australia from sustainably grown Australian plantation pine



Roundwood posts



Every year the team at the OneFortyOne's Glencoe Nursery propagates between 5 million and 10 million seedlings using a range of techniques to improve survival rates across different sites.

Product summary

Combining strength and durability with lightness and ease of installation, Roundwood posts are used broadly within the agricultural industry as rural fencing, trellising for vineyards, livestock chutes and stock enclosures.

Features and benefits

- Used by fencing contractors, farmers and grape growers due to their ease of installation
- Treated with Creosote - posts are suitable for in-ground use and droppers for above ground use
- Available in a cambio finish or shaven finish
- Produced in Australia from sustainably grown Australian plantation pine

Notes

In environments that contain high levels of ground water, installation of adequate drainage is recommended to prolong the service life of the product. Posts cannot be submerged in fresh or saltwater applications as a higher level of treatment is required. Cutting, pointing or docking of posts is not recommended as this will compromise the treatment integrity of the product.



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