



PENTARCH
FORESTRY®

TIMBER

NATURAL, RENEWABLE & SUSTAINABLE

Timber: Natural, Renewable, Sustainable

Timber combines performance, wellbeing and environmental advantages and unlike other building materials, it can be harvested, re-grown and re-harvested in an average person's lifetime. The production of timber products also uses less energy than most other building materials (that are typically sourced from fossil fuels) making it the ultimate renewable.

Source: 'Carbon and Environment' www.naturallybetter.com.au

Using Wood to Tackle Climate Change

The Intergovernmental Panel on Climate Change states: "A sustainable forest management strategy aimed at maintaining or increasing forest carbon stocks, while producing an annual sustained yield of timber, fibre or energy from the forest, will generate the largest sustained mitigation benefit." (IPCC 4th Assessment). This is because the carbon stored in trees continues to be stored in wood and fibre products, even when they are disposed of in landfill.

Forests regrown after harvesting sequester carbon at a faster rate than older trees to make the whole timber harvesting and production process a significant carbon offset. In fact, plantation softwood operations have been found to offset the equivalent of 169,000 cars each year.

It's a similar story in native forestry. When the carbon miles of importing timber and production of overseas timber products is considered, as well as the carbon costs of using materials other than wood, locally produced native hardwood has great carbon mitigation benefits.

Source: 'Carbon and Environment' www.naturallybetter.com.au

Sustainable Forest Management Certification (AS 4708)

The area of certified forests and plantation in Australia has grown to about 26.7 million hectares.² This includes most of the native forests managed for timber production.

Sustainable Forest Management certification provides assurance that the forests are conserved and managed responsibly to ensure they deliver social, environmental and economic benefits now and in the future - balancing people, profit and the planet.

PEFC Responsible Wood Chain of Custody Certification (AS 4707)

Chain of Custody tracks a forest or wood product from its origin in a certified forest through to its end use by the consumer. Responsible Wood Chain of Custody certification verifies that Pentarch Forestry solid hardwood products are produced from certified, legal and sustainable resources.

As such, Chain of Custody is a tracking process that provides an environmental assurance standard for the sustainable use of Australia's forest resources.

Responsible Wood is endorsed by PEFC (Programme for Endorsement of Forest Certification) and is the national governing body for PEFC in Australia.

Australian Forestry: a Sustainably Managed Resource

- Australian forests are protected by strict Federal and State controls and regulations ensuring that there is a healthy balance between long term conservation and sustainable forestry management.
- Australia's 134 million hectares of forest cover approximately 17% of Australia's total land area. This represents almost 3% of the world's forest area.¹
- In Australia, the native forest area is 132 million hectares, 79% of which is protected in National Parks and other reserves. Just 0.06%, or 6 trees in 10,000, of the native forest estate is harvested and regrown each year.¹
- 21% (26.4 million hectares) of Australia's forests are part of Australia's network of protected areas where nature conservation is the primary management intent.²

Pentarch Forestry Responsible Wood Certified Products

Pentarch Forestry has implemented Responsible Wood Chain of Custody for solid hardwood products to support responsible and sustainable forest management in Australia.

All Pentarch Forestry manufacturing sites are Chain of Custody certified, meaning all products from these sites are certified and can be traced from processing to distribution and are produced using certified, legal and sustainably managed sources.

Structural

- Green and Seasoned Hardwoods

Other products

- Furniture boards, pallets, crating, poles, crossarms, dunnage, woodchips and woodwaste/biofuel

¹ ABARES 2018. Australia's State of the Forests Report 2018.

² ABARES 2017. Australia's Forests at a glance 2017.



Sustainably Grown. Australian Made.

Note: Variations within a timber species are normal, therefore photographs, samples and displays can only be indicative of colour and should not be used for final selection. It is normal for natural timber products to react to changes in atmospheric and environmental conditions such as humidity and temperature.

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