

Building a **sustainable** future



AFS/01-31-38
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Promoting sustainable forest management

Sustainable forestry and legal wood products: positively contributing to climate change.

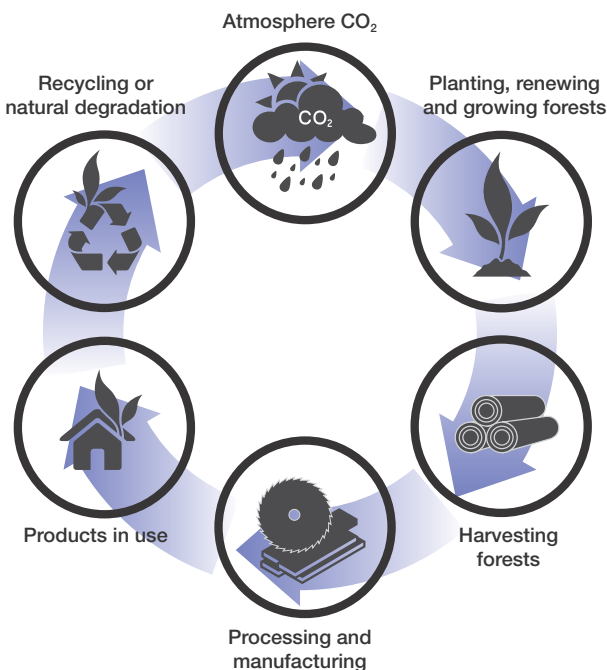
Timber: natural, renewable, sustainable

- Unlike other building materials wood can be harvested, re-grown and re-harvested in an average person's lifetime.
- Timber stores carbon over its lifespan.¹
- Nearly half of the dry weight of timber is carbon, making it a carbon positive building product.
- Timber has one of the lowest embodied energy of all major Australian building materials.²
- Timber waste can be used as a very low carbon emitting biofuel, in place of high carbon emitting fossil fuels.

Carbon Cycle

Choosing timber in design and construction can help tackle climate change in several ways. One of the most important is that wood stores carbon. Growing trees absorb carbon dioxide from the atmosphere, emit oxygen and store carbon. Carbon remains locked in the wood for the life of the piece of timber until it rots, decays or is burnt. Australia's native forests, timber plantations and wood products are all net absorbers of greenhouse gases. In 2005, they sequestered (or stored) 56.5 million tonnes of carbon dioxide, reducing Australia's overall greenhouse gas emissions by almost 10%. The combination of carbon sequestration in growing trees and the long term carbon storage in wood products represents a significant net sink and store of carbon for Australia.

Source: 'Carbon Storage' www.woodsolutions.com.au

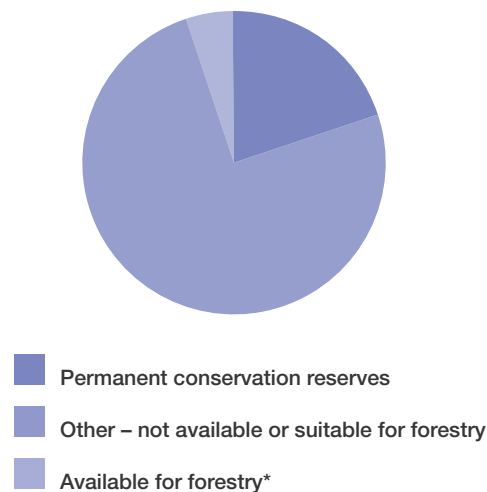


Source: Adapted from 'Lifecycle of carbon in wood products' figure, FWPRDC, (2009) Carbon stored in Wood product in Australia: A review of current state of knowledge.

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.
- Australian Forestry (149 million hectares) has one of the highest land cover areas per capita in the world (14 times the world average).²
- Only 6.3% (9.4 million hectares) of total Australian forestry is available for timber harvesting each year. Of the forestry available for harvesting only 1% is harvested each year.²
- In 2008 23.0 million hectares — 16 per cent of Australia's forests — were in dedicated formal conservation reserves.²
- Australian public nature conservation reserves, locked away for future generations, are nearly two and a half times larger than production forestry.²
- It's estimated that Australian forests sequestered a net 23 million tonnes of carbon dioxide in that year, which reduced net national emissions by 3.8 per cent.¹
- Younger trees in active re-growth forestry absorb more CO₂ than mature trees.
- Increased usage of wood products from sustainably managed forests is a positive step towards reducing the effects of climate change.

Forest use



* Includes estimated forestry in private native forests

Source: ABARES 2011. Australia's forests at a glance 2011

¹ Forest Learning retrieved from www.forestlearning.edu.au

² ABARES 2011. Australia's forests at a glance 2011

Boral Timber products has full Chain of Custody certification which meets the Australian Forestry Standard (AFS) AS 4707-2006.

AFS Forestry Management Certification (AS 4708-2007)

The area of certified forest and plantation in Australia has grown to about 10.4 million hectares². This includes most of the native forests managed for timber production. About 80 per cent of Australia's certified forest area is native forest and about 85 per cent of Australia's certified forest area is publicly owned.²

State or private property forestry owners can apply for forestry certification to prove that they are managing their forests in a sustainable manner in accordance with recognised certification schemes, and in the case of AFS, according to an Australian Standard (AS 4708-2007).

AFS Chain of Custody Certification (AS 4707-2006)

Chain of Custody tracks a forest or wood product from its origin in a certified forest through to its end use by the consumer. The AFS Chain of Custody certification verifies that Boral Timber 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.

Boral Timber AFS certified products

Boral Timber has implemented AFS Chain of Custody for solid hardwood products to support responsible and sustainable forest management in Australia.

All Boral Timber manufacturing sites are Chain of Custody certified, this means 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.

Decorative hardwood products

- Boral 19mm and overlay solid strip flooring
- Boral parquetry
- Boral decking

Structural

- Softwood
- Green and seasoned hardwoods

Other products

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



AUSTRALIAN FORESTRY STANDARD
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The Australian Forestry Certification Scheme (AFCS).

AFCS is a forest certification scheme developed to promote sustainable forestry management specifically for the Australian environment. AFCS has mutual recognition by the Programme for the Endorsement of Forest Certification Scheme (PEFC) – the world's largest forest management certifier.





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Note: Timber is a natural product and photographs, samples and display floors are a indicative of the colour range of timber species as finished product will vary. Boral recommends samples are viewed prior to purchase. Timber commonly react to changes in atmospheric conditions such as humidity and temperature. Boral, the Boral logo, boral.com.au, and Build something great are trade marks or registered trade marks of Boral Limited in Australia, other countries, or both. If these and other Boral trade marked terms are marked on their first occurrence in this information with a trade mark symbol (® or ™), these symbols indicate Australian registered or common law trade marks owned by Boral at the time this information was published. Such trade marks may also be registered or common law trade marks in other countries. Other product, company or service names may be trade marks or service marks of others. Boral is a registered trademark of Boral Limited or one of its subsidiaries.

www.boral.com.au/timber

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