



www.redstagtimber.co.nz

INTRODUCTION TO RED STAG TIMBER

Red Stag Timber is an independent, privately owned timber company, based in Rotorua, New Zealand. It was established in 2003 to operate the Waipa Mill that was originally founded by the government in 1939 and subsequently privatised in 1996. Red Stag Timber consists of two sawmill lines, with associated timber processing operations for kiln drying, planing, treating and remanufacturing. Currently producing over 300,000 m³ of Radiata Pine and Douglas-fir lumber per annum, resulting in an annual turnover over NZ\$100 million, Red Stag Timber employs approximately 250 staff.

Red Stag Timber has a long-term commitment to further developing its product range and market base. Its particular focus is on structural lumber products, but it also produces outdoor, industrial, appearance and furniture lumber grades. These products are sold in New Zealand and exported to Australia, the Pacific Islands, Asia, Africa, Europe and North America.



To achieve this, Red Stag Timber is committed to the continual upgrade of its production facilities. Recent investments include:

- *Acoustic grading of logs and lumber (2004 and 2006).*
- *A new dry-mill planing plant. (2006)*
- *Two new high speed drying kilns (2006 and 2008).*
- *A new sawmill trimmer and stacker (2008).*
- *Two 3D scanners for both sawmill lines (2008 and 2009).*
- *A new high-speed machine stress grader (2009).*
- *A new timber treatment plant (2009).*

These factors, combined with a long term secure log contract, an enthusiastic stable workforce and a commitment to highest quality products and relationships, give Red Stag Timber the edge for long term success in its chosen markets.

NEW ZEALAND STRUCTURAL PRODUCTS

Red Stag Timber manufactures Radiata Pine and Douglas-fir structural lumber for interior construction uses such as house framing, floor joists and roof trusses. These are machine stress graded and produced as untreated, H1.2, H3.1, or H3.2 hazard classes. They meet the strictest quality assurance requirements and comply with the NZ Wood Standard Operating Procedures for grading and treatment .

Products include:

- Radiata Pine Mechanical Stress Grades: MSG10, MSG8, MSG6.
- Douglas-fir Mechanical Stress Grades: MSG8, MSG6.
- Radiata Pine Kiln Dried Hazard Classes: Untreated, H1.2, H3.1, H3.2
- Douglas-fir Kiln Dried Hazard Classes: Untreated, H1.2.
- Douglas-fir Unseasoned Hazard Classes: Untreated, H1.2
- Radiata Pine Kiln Dried Sizes: 70x45, 90x45, 140x45, 190x45, 240x45, 290x45.
- Douglas-fir Kiln Dried Size: 90x45
- Douglas-fir Unseasoned Size: 94x47
- Lengths: 3.6m, 4.2m, 4.8m, 5.4m, 6.0m

All sizes are available as select length packets, while the Radiata Pine 90 x 45 is also available as cut-to-length studs.

Other building products include Finger-joint Strapping, Solid Strapping and Finger-joint Cavity Battens. Finger-jointing ensures each piece stays straight and reduces the cutting required on site.



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NEW ZEALAND LANDSCAPING PRODUCTS

Red Stag Timber manufactures Radiata Pine lumber products for outdoor landscaping such as decks, fences, retaining walls or pergolas. They are visually graded, or machine stress graded, and produced as H3.2 hazard class for above ground use or H4 hazard class for ground contact use.

Products include:

- No. 1 Frame Gauged H3.2 Treated: 70x45, 90x45, 140x45, 190x45, 240x45, 290x45
- MSG-8 Gauged H3.2 Treated: 70x45, 90x45, 140x45, 190x45, 240x45, 290x45
- Fence Rails Rough Sawn H3.2 Treated: 75x50, 100x50, 150x40
- No.2 Frame Rough Sawn H4 Treated: 150x50, 200x50
- TG&V Retaining Wall H4 Treated: 135x42, 185x42
- Premium Grip-tread Decking H3.2 Treated: 88x32
- Standard Grip-tread Decking H3.2 Treated: 88x32
- Clear Balustrade H3.2 Treated: 42x42

All products are available in Select Length packets except for Grip-Tread Decking which is in Random Length packets and the Balustrades that are 1.1m Cut To Length.



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AUSTRALIA STRUCTURAL PRODUCTS

Red Stag Timber manufactures Radiata Pine and Douglas-fir structural lumber for Australia. The Radiata Pine and Douglas-fir are produced untreated for interior uses, such as house framing, floor joists and roof trusses, and the Radiata Pine is also produced as a H3 hazard class for exterior uses, such as decking, fencing and general outdoor uses.

Products include:

- Radiata Pine Visual Grades: F5
- Radiata Pine Mechanical Stress Grades: MGP10
- Douglas-fir Visual Grades: F5, F7
- Radiata Pine Kiln Dried Hazard Classes: Untreated, H3
- Douglas-fir Unseasoned Hazard Class: Untreated
- Radiata Pine Kiln Dried Sizes: 70x45, 90x45, 140x45, 190x45, 240x45, 290x45
- Douglas-fir Unseasoned Sizes: 72x47, 97x47, 147x47, 197x47, 247x47, 297x47
- Lengths: 3.6m, 4.2m, 4.8m, 5.4m, 6.0m

All products are available in Select Length packets .



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INDUSTRIAL PRODUCTS

Industrial Grade timber is used for the manufacture of crates, pallets, boxes and bins which are destined as an end use for primary produce, such as kiwifruit or apples, or for manufactured products, such as paper, general food, car parts, computer parts or glass.

Red Stag Timber produces sizes that allow the customer further flexibility by re-sawing to their exact requirements if necessary. The use of anti-sapstain chemical on unseasoned timber ensures that timber is fresh when received. Kiln drying of timber is available when dry pallets are required.

Products include:

- Common Sizes: 100x40, 100x50, 100x60, 100x75, 100x90, 100x100, 100x150
- Rough Sawn.
- Untreated.
- Kiln Dried or Unseasoned. (Kiln dried Industrial Grade is dried to 20% MC or less.)
- Select Length packets when exported.

Other sizes may be available upon request. Red Stag Timber supplies Industrial grade lumber to packaging manufacturers in New Zealand, Thailand, Korea, Taiwan, Vietnam, China and the Middle East.



APPEARANCE PRODUCTS

Apppearance Grade timber is produced for the manufacture of furniture, joinery, fixtures or fittings. Red Stag Timber produces a range of grades depending on the customer's requirements.

Products include:

- Cut-Of-Log Pith-free, Kiln Dried, Rough Sawn Sizes: 100x24, 100x32, 150x50, 200x50, 250x50
- Remanufacturing, Kiln Dried, Gauged or Rougher Header Sizes: 90x45, 140x45, 190x45, 240x45, 290x45
- Finger-jointed Paint-Grade Clear "Blanks", Kiln Dried, Gauged Sizes: 70x45, 90x45, 140x45
- Select Length packets when exported.

All timber is produced kiln dried to 14% or less for Cut-Of-Log and 18% or less for Remanufacturing and Finger-joint "Blanks". Red Stag Timber supplies manufacturers in New Zealand, Vietnam, Indonesia, Malaysia, Thailand, China, the USA and the Middle East.



CARING FOR THE ENVIRONMENT

Red Stag Timber maintains ISO14001 Environmental Management System certification to:

- Identify and control the environmental impact of its activities and products
- Improve its environmental performance continually.
- Implement a systematic approach to setting environmental objectives and targets, to achieving these and to demonstrating that they have been achieved.

Specific areas where Red Stag Timber has achieved environmental objectives include:

- **FSC Certification:** Red Stag Timber has the internationally recognised Forest Stewardship Council (FSC) certification that provides timber users with confidence that it was sourced from sustainably managed forests. FSC is the only forest certification system that is supported by all major environmental groups. And a number of certification assessments, such as the US, Australian and New Zealand Green Building Councils, only accept FSC as proof of sustainability. See www.fsc.org for more information.
- **Bio-Fuel Energy:** Red Stag Timber utilises wood-waste as a bio-fuel to generate electricity and provide thermal energy to kiln dry timber. Red Stag Timber also provides electricity to the national grid to help power New Zealand's growing energy needs.
- **Carbon Foot-Print:** Red Stag Timber's carbon-foot print is 97% less than a similar sized sawmill that doesn't use carbon-neutral electricity or thermal energy. This reduction is mostly due to utilising wood-waste as the energy source for kiln drying timber as the thermal energy required to kiln dry timber can exceed 85% of the energy usage for a modern sawmill. Utilising it's own wood-waste as an energy source ensures that both CO2 emissions and landfill disposal requirements are minimised.



Red Stag Timber works in partnership with:



KOP-COAT

Osmose[®]
Preservation Technology at Work

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