

# WOOD SPECIFICATION

## Products

Triquetra's Farm Clear Wood

## Description

Triquetra Farm produces *Eucalyptus urograndis* "in natura" with high quality of "Clear Wood" (free from defects), giving high quality to the final product in accordance with international export requirements.

Commercial tree planting still offers our most versatile, sustainable and natural wood for multi purpose application, such as: sawmill, round wood for constructions and fencing projects, posts, gates, decking, furniture, among others.

## Quality Characteristics

Name: Eucalyptus logs

Binomial Name: *Eucalyptus urograndis*

Wood age: 12 to 15 years

Clear Wood: Genetically materials and management techniques are used focused on provide homogenous trees  
Clear Wood is also the result of special pruning of the trees branches, given a greater amount of eucalyptus logs of "first quality" application

Harvesting Area: Brazil - State of Minas Gerais

Diameter: Customized based on demand within 20 < 50 centimeters

Length Customized based on demand within 2 < 10 meters

Density range: 500 < 600 kg/m<sup>3</sup>

Moisture range: 30% < 50%



Fig. 1: Eucalyptus logs "in nature"



Fig. 2: Multi-purpose wood



Fig. 3: Pruning for Clear Wood

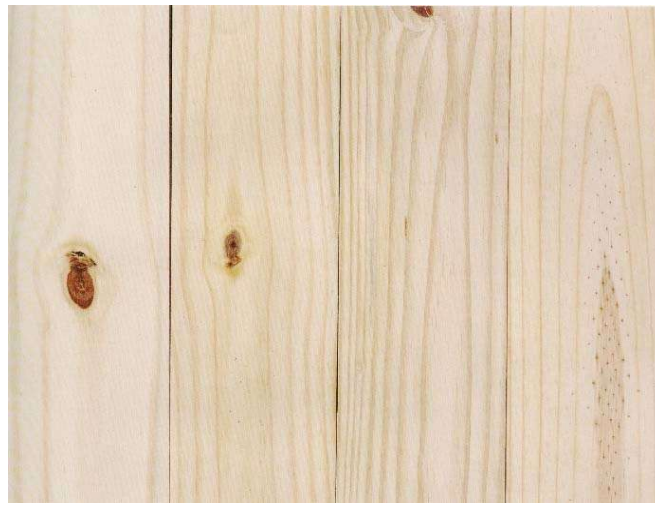


Fig. 4 : Clear Wood



Fig. 5 : Conventional Wood

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## Others

The hybrid of *Eucalyptus urograndis* (*E. grandis* x *E. urophylla*) is the most used in Brazilian commercial forestry.

The objective of the genetic crossing of these two species is to obtain plants with good growth, characteristic *E. grandis*, and improvements in the physical/mechanical properties, characteristic *E. urophylla*.

*Eucalyptus urograndis* grows 3 times faster on Brazilian sites, when compared to plantations carried out in other regions of the World. The growth of the Global demand for wood, positions the Brazilian *E. urograndis* as one of the best options for the supply of renewable and sustainable wood.

Therefore, Triquetra's Farm Clear Wood have the following characteristics:

- 1- Mature wood with high density due to the age of planting;
- 2- Appropriate diameter and good shape;
- 3- Selected and tested genetic material;
- 4- Wood resulting from pruning and adequate thinning, providing logs without defect: Clear Wood in straight logs;
- 5- Beautiful wood with excellent coloring, resistant and easy to sawmill, dry and glue, due to an intrinsic feature of this hybrid;
- 6- Absence of defects, such as: insect holes, drills and rot due to quality control in the selection of logs to be used by the customer.

## Sustainability

Certification:	Sustainable Wood Certification attesting that the products have a balanced farming, focused on diversifying the production system through understanding and respecting the natural cycles of plant succession and interaction.  We use Regenerative Agriculture techniques supporting the correct use of farming soil, focus on: soil carbon sequestration, organic matter increasing, water cycling efficiency, nutrient dynamics, and the conservation of biodiversity, favoring the entire ecosystem.
Carbon Sequestration (CO <sub>2</sub> ) :	Specially, in the commercial tree planting, the carbon (CO <sub>2</sub> ) sequestration occur in a renewable and cycling process, reducing pollution and temperature of the planet.
Soil Conservation:	The trees are aligned in the contour system providing slower fall speed of rain water, reducing its strength and impact on soil structure, reducing erosion risk. The branches and leaves of trees are left in the plantation area to decompose to become organic fertilizer.
Water Conservation:	Because the same explanation (in soil conservation), the reduction in water speed provided by the contour alignment, the system is more efficient in soil water infiltration, providing additional water infiltration and increasing the springs volume, and for all watershed.
Biodiversity:	Triquetra's Farm has 46% of its total area made up of Native Forestry in permanent preservation areas, contributing to mitigate biodiversity impacts in the production area.



Fig. 6: Sustainable seal certification

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### More information:

[www.fazendatriqueda.com.br/english/](http://www.fazendatriqueda.com.br/english/)

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Recursos, tecnologia e sustentabilidade.

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