



# Thermally Modified Decking & Siding



## WHAT IS RHINO WOOD?

Rhino Wood is created through a two-stage patented process of converting sustainably grown South African Pine into a hardwood equivalent. The thermal modification and pressure impregnation processes result in a product that is 60% stronger than its original state. Rhino Wood is 40% harder than Oak and has a Class 1 Durability rating, which puts Rhino Wood in the same class as Ipe, Cumaru, and Batu.

## SUSTAINABILITY

An environmentally friendly product, Rhino Wood is produced from FSC Sourced forests, with zero toxicity in its production process. Rhino Wood received the WWF climate solve award in 2014 which recognized the product as an environmental, social, and economic solution. It can be used in the same applications as traditional timber. Rhino Wood requires no special disposal and can be left to biodegrade like any natural timber, with no negative effect on the environment.

## 25 YEAR WARRANTY

Rhino Wood is resistant to water, insects and decay. It matches other tropical hardwoods with a 25 year warranty. The pores of Rhino Wood block all moisture, which prevents the wood from decaying and rotting. This allows for a longer wood life cycle.



## PERFECT FOR ANY APPLICATION

Rhino wood can be used for decking and siding applications as well as soffits, pergolas, docks, and more. A low maintenance timber, Rhino Wood does not need to be sanded or finished once installed, but can be finished to maintain its natural color. Rhino Wood will fade to gray over time with UV exposure.



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@NOVAUSAWOOD





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## RHINO WOOD GRADING

Rhino Wood source the highest appearance grade of timber available from a number of mills in South Africa. Traditionally these are plantation trees 25 years or more in age which have been pruned.

The following grading rules apply to Rhino Wood South African Pine, thermally modified and resin infused.

A minimum of 75% of the material will be clear of defects on all 4 sides.

A maximum of 25% of the material may contain the following defects on the back side or one edge only – there will always be one clear face and one clear edge.

Knots – occasional tight knots of up to 3/4” allowed. No more than two knots per 8 lineal feet.

Bark Pockets – not to exceed 1/4” wide x 4” in length or 1/8” wide x 6” in length. No more than two bark pockets per 8 lineal feet.

Checks – shall not to exceed 1/32” in width with a combined maximum length of 12” per 8 lineal feet.



## TECHNICAL SPECIFICATIONS

Janka Hardness: 1,680 pounds

Strength (MOR): 22,045 psi

Stiffness (MOE): 2,650 1000 psi

Density (KG/m3): 900

Moisture Content: Less than 5%

Photosensitivity: Rhino Wood will naturally fade to a silver-gray if left unfinished

Tangential Shrinkage: Less than 2%

Radial Shrinkage: Less than 2%

Luster: Medium

Durability Rating: Class 1 durability rating, Nova offers a 25 year warranty on Rhino Wood against rot and decay in temperate climates.

Working Characteristics: Rhino Wood can be remanufactured like any other wood. Rhino Wood should be treated as a hardwood.



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