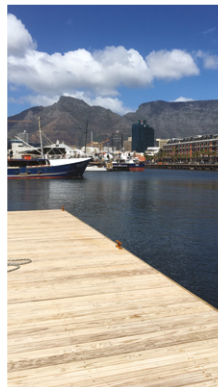




rhino
wood



Brought to you by
international
timber





In 2014 Rhino Wood received the World Wide Fund (WWF) Climate Solver award. This award recognises businesses that are developing and commercialising innovations that reduce carbon emissions and boost energy access around the world.



The mark of
responsible forestry

Rhino Wood supports responsible forestry. Please request FSC® certified products when speaking to our sales team.

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WHAT IS RHINO WOOD?

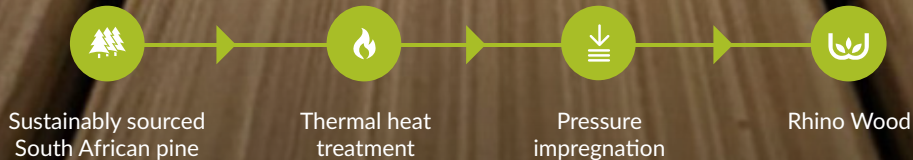
SUSTAINABLE REAL-WORLD SOLUTIONS FOR DECKING, CLADDING, PERGOLAS AND LAMINATED BEAMS

Rhino Wood has created a unique 2 step method of modifying sustainably grown pine into timber with the durability and dimensional stability of hardwoods.

Stage 1 - Thermal modification. This brings the moisture content to below 5%, as well as darkening the initially yellow/ white pine into a more appealing walnut brown

Stage 2 - Pressure impregnation with a non- toxic compound This compound solidifies inside the cells of the timber resulting in a natural wood product that is long lasting, low maintenance and able to withstand Africa's harshest climates - both coastal and inland.

There are no harmful chemicals in the process and it is completely people and pet friendly.





WHAT MAKES RHINO WOOD SUSTAINABLE?

We sell FSC®(C167414) certified timber that is purchased from **responsible sources** in South Africa.

Our manufacturing process uses our waste products as an energy source, thus prioritizing the use of **clean energy** over fossil fuels.

Our products can be used in place of concrete, steel or plastic alternatives, thus reducing the demand for these and when our product comes to the end of its life it is also **fully bio-degradable**.

In recognition of Rhino Wood's contribution towards curbing deforestation we received the **World Wildlife Fund Climate Solver Award** in 2014.



BENEFITS



STRONGER

Rhino Wood's impregnation treatment increases the strength of pine timber by up to 60%, without decreasing its bending ability or elasticity.



HARDER

The treatment process doubles the density of the wood. An increased hardness means less dents, scratches, and surface damage.



REDUCED FUNGAL AND DRY ROT

The pores of **Rhino Wood** block all moisture, which prevents the wood from decaying and rotting. This allows for a longer wood life cycle.



DURABLE

Rhino Wood has greater resistance to UV degradation, which can cause discoloration and the premature aging of your wood. **Rhino Wood** is ideal for outdoor applications. **Rhino Wood** has been awarded a class 1 durability rating.



DIMENSIONALLY STABLE

The dimensional stability of wood is the measure of the extent of swelling resulting from moisture pick-up. **Rhino Wood** has nominal dimension change, meaning the wood is less susceptible to the effects of water, specifically swelling and shrinking.

BENEFITS CONT.



ZERO-TOXICITY

No metals, foreign oils, biocides or other toxic substances are introduced, making it completely people and pet friendly.



REDUCED WOOD BORER AND TERMITE DAMAGE

Wood borer and termites do not recognise **Rhino Wood** as a food source.



DISPOSAL

Rhino Wood does not require special methods of disposal after use. One can dispose of it like any natural untreated wood.



ENVIRONMENTALLY FRIENDLY

Rhino Wood is the environmentally responsible choice as our wood is sourced from sustainable forests. The treatment process uses zero toxins, creates no disposable waste, and aids in the protection of our rain forests.



LOW MAINTENANCE

Due to **Rhino Wood** being treated to the core and its dimensional stability, it does not need to be treated in its lifespan. Apart from regular cleaning the timber can be left to weather naturally.

APPLICATIONS



CLADDING

Available sizes for all profiles:

13mm x 95mm



Natural Smooth



Brushed



The following cladding profiles are currently available:

Ship lap

(Available in smooth finish)



Dual sided T & G

(Available in smooth and brushed finish)



OR



Bespoke profiles, sizes and finishes are available on request.

APPLICATIONS



DECKING

Decking is available in the following dimensions and finishes:

20mm x 100mm & 20mm x 140mm

Other sizes are available on request.

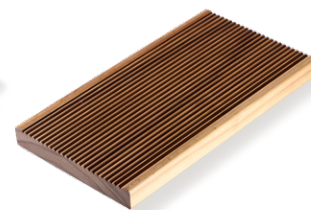
The natural finish is smooth and has a matt finish if it is not oiled.



Natural Smooth



Brushed



Ribbed

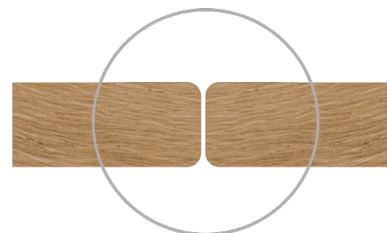
The brushed finish is applied to create a natural looking texture and provide additional grip. This process does not create grain lift or splinters.



The following decking profiles are currently available:

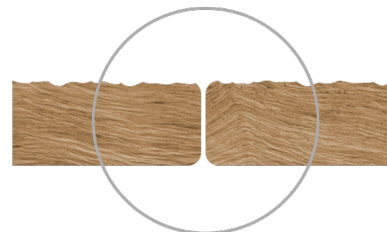
Arris Four Sides Smooth

20mm x 100mm & 20mm x 140mm



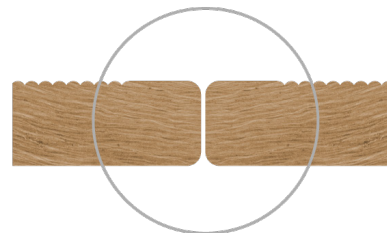
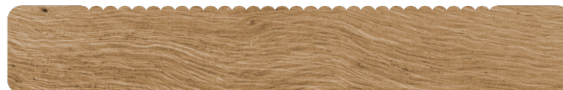
Arris Four Sides Brushed

20mm x 100mm & 20mm x 140mm



Arris Four Sides Ribbed

20mm x 140mm



APPLICATIONS



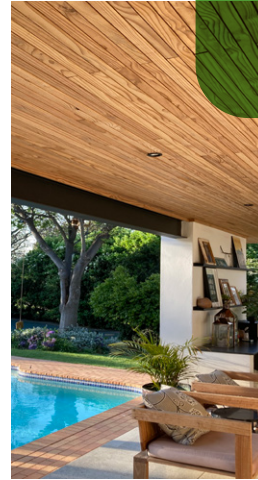
PERGOLAS & LAMINATED BEAMS

Solid elements: Available in maximum 3000mm lengths, working down in 300mm increments (3000mm / 2700mm / 2400mm ...down to 900mm).

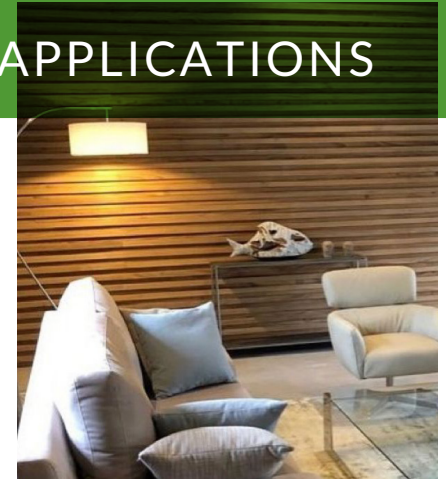
Laminated beams: Available in maximum 8400mm lengths, working down in 600mm increments (8400mm / 7800mm / 7200mmdown to 1200mm).

Offering both solid elements and laminated beams allows us to offer custom sizes where required.

Laminated beams are modified using the same process as the solid elements, with the addition of a glue and lamination stage after the thermal treatment, and before the pressure impregnation. This protects the laminating glue from the extreme temperatures reached during thermal treatment.



APPLICATIONS



SLATS

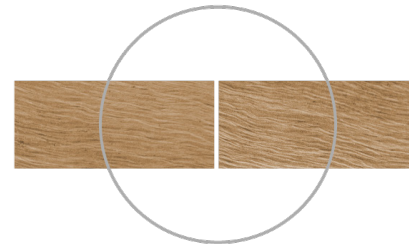
Dimensions: 11mm x 45mm

Available in the following lengths: 1,8m and 2,4m

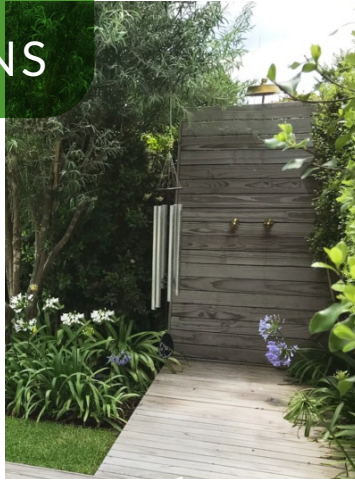
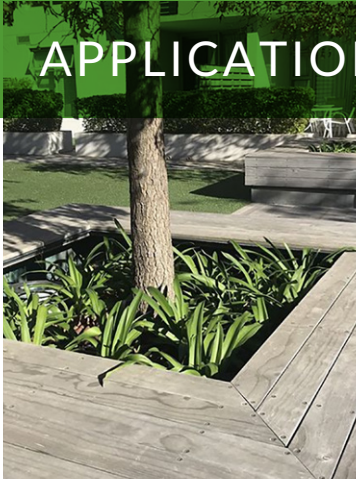
These can be used in a variety of ways from indoor cladding to trellises, fencing and window awnings

Please ensure that these are pre-drilled before applying screws.

Profile: PAR

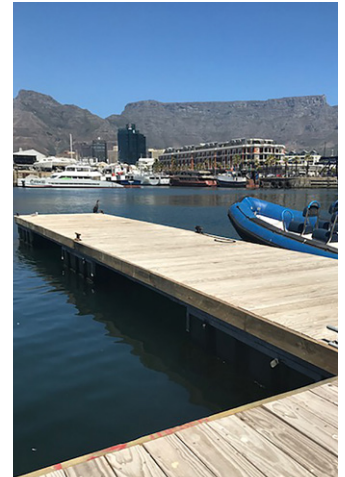


APPLICATIONS



OTHER

Our timber has been used to make planters, walkways, jetty's, benches, outdoor showers, gates and fences and many other applications. We can custom cut to spec.



NATURALLY WEATHERED GREY

This colour change is due to the impregnated compound forming a protective layer on the surface of the timber and is not a factor of the timber itself discolouring or losing any of its strength or durability.

It is recommended you give your deck a wash with warm soap water (Sugar Soap) and a light plastic bristle brush. The frequency of cleaning will depend on the conditions and can be done with no harmful side effects on the timber. The same cleaning principle applies for cladding and pergola applications where necessary.



COLOUR CHANGE DUE TO WEATHERING

Weathered Rhino Wood vs newly installed for an extension of a boundary fence. The weathered timber has lost none of its strength or durability, but the colour has changed.

Rhino Wood will naturally weather to a silver / grey patina when exposed to sunlight. In fully exposed sun, the material takes 6 – 9 months to fully weather grey. This will be the colour of the material for the duration of its lifespan.

MAINTAINING ORIGINAL COLOUR

If you want to maintain the original colour of Rhino Wood, apply a penetrating oil when the timber is installed. How often you apply the oil will depend on exposure and UV conditions. In general, it is recommended that you oil Rhino Wood every 6 – 9 months, in order to maintain the desired aesthetics. Ensure timber is fully cleaned before applying oil.

Rhino Wood should never be varnished.





Brought to you by

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