

EUCALYPTUS TIMBER

2026 Catalogue



assiourasbros
advanced wood technology

Eucalyptus Timber

Eucalyptus timber has a rich, warm colour with unique grain patterns that add character and charm to any outdoor structure. Whether you prefer a traditional or modern aesthetic, eucalyptus timber can be easily incorporated into your design vision. In addition, the durability of the timber is exceptional.



Eucalyptus timber is known for its durability and resistance to decay, making it a reliable choice for outdoor structures exposed to the elements. Impregnation with Tanalith-E also provides protection against parasites and fungi, ensuring longevity and reducing the need for frequent maintenance.

Eucalyptus timber

In today's environmentally conscious world, sustainability is a critical factor to consider when selecting materials for construction projects. African eucalyptus timber offers a sustainable and environmentally friendly choice for pergola construction. The timber is grown and harvested in responsibly managed plantations, ensuring that forests are renewed and the ecosystem is preserved.

Plantations are carefully managed to promote biodiversity, protect water resources and reduce the carbon footprint. Trees are planted in a rotation cycle, allowing for continuous harvesting without depleting natural resources. This sustainable approach ensures that the timber remains a renewable and environmentally friendly option for trellis construction.



Data sheet

Eucalyptus is a strong and dense wood. It is extremely durable, resistant to rot, mold, and mildew. Therefore, it is highly unlikely to suffer from massive decay. It is also resistant to insect attacks and termites.

Also, it is known for its workability. Eucalyptus is flexible and absorbs well glues, stains, and finishes.

MECHANICAL PROPERTIES OF TIMBERS TESTED IN THE AIR-DRY CONDITION (12% MOISTURE CONTENT)													
Botanical name	origin		Mass per m ³	Static bending (centre-point)			Compress!	Compression		Hardness load to		Shear	Impact
				Modulus of Rapture	Fibre stress at P.L.	Modulus of Elasticity	on parallel to grain	perpendicular to grain	imbed 11.278 mm sphere to middiameter	parallel to grain	Toughness		
				kg	Mpa	Mpa	Mpa	Mpa	Mpa	Mpa		N	N
Eucalyptus Grandis	South Africa	Average	550-750	108	70	15.772	59,9	13,3	6.4	5.108	6.533	11.4	32.5
		Std. dev	83.5	18.5	10.3	2.348	7.41	3.14	1.47	1.461	1.355	2.36	8.46

RECOMMENDED BASIC STRESSES AT 12% MOISTURE CONTENT					
Botanical name	Modulus of rupture	Compression parallel to grain	Compression perpendicular to grain	Shear parallel to grain	Modulus of elasticity
	Mpa	Mpa	Mpa	Mpa	Mpa
Eucalyptus Grandis	40	25	3,5	3.8	15.769

Some of its best properties include its lack of odor and minimal risk of toxicity.



brown impregnation



plain impregnation

Dimensions

m ∅	1,80	2,40	3,00	3,60	4,20	4,80	5,40	6,00	6,60	7,20	7,80	9,00	10,00	11,00	12,00
50-75	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉			
75-100	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉			
100-125	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
125-150	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
150-175	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
175-200	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
200-225	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
225-250	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
250-275	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
275-300	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
300-325	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉	☉
325-350				☉		☉	☉	☉		☉	☉	☉	☉		
350-375				☉		☉	☉	☉		☉	☉	☉	☉		
375-400								☉							

NOTES:

The logs are peeled.

The range of diameter given in the list refers to the thinner end of the log. The diameter to the other side of the log increases by approximately 10 mm per linear meter.

At both ends of the logs it is recommended that metallic grommets be fitted.

At the points where cuts are made it is recommended to re-treat with wood preservative impregnation material.



Poles treatment with TANALITH-E

Preservative treated timbers have been given a controlled, industrially applied pressure treatment with a proven and approved wood preservative. The wood preservative is forced deep into the structure of the timbers to give a long term and assured protection against all forms of wood decay and insect attack, allowing the timbers to be used in different applications around the home and garden.

USE CLASS: OUTDOORS coated 3.1 above ground eg. decorated cladding.

AVERAGE LAST: TANALISED pressure treated timbers can have a service life of 15-20 years depending on its end use.

COLOR: The colour of TANALISED pressure treated timber slowly weathers from an initial pale green hue to a warm, honey brown and in the longer term to a natural silver grey. If required, the colour can be refreshed with a suitable brush-on color product.

SPECIFICATIONS AND STANDARDS: Tanalith-E preservative is tested in accordance with the requirements of EN 599, including extended field trial testing. Tanalith-E pressure treated timber is treated in accordance with the penetration and retention requirements given in Bs 8417. Care should be taken when specifying timber species to ensure that these can be treated in accordance with these penetration and retention requirements. Tanalith-E is a proven and safe wood preservative based on a unique combination of copper and modern organic biocides. Tanalith-E also contains award winning BARamine application technologies that help ensure the very best penetration and distribution of TANALITH E preservative into the timbers. Tanalith-E has full authorization through the EU Biocidal Products Regulation (BPR) for the industrial treatment of timber. Tanalith-E treated timbers are also recognized as sustainable building materials.

⚠ It will take some time (about 25 days in ideal weather conditions) for the impregnated timber to eliminate the water from the impregnation process. As a result and also an indication that drying of the impregnated timber has been achieved, the impregnated timber will be returned to its original planing and pre-impregnation dimensions.

⚠ The impregnated timber must not be treated. In case that it is treated, grooved, or sliced, a water preservative impregnation preservative should be used locally rather than solvent.

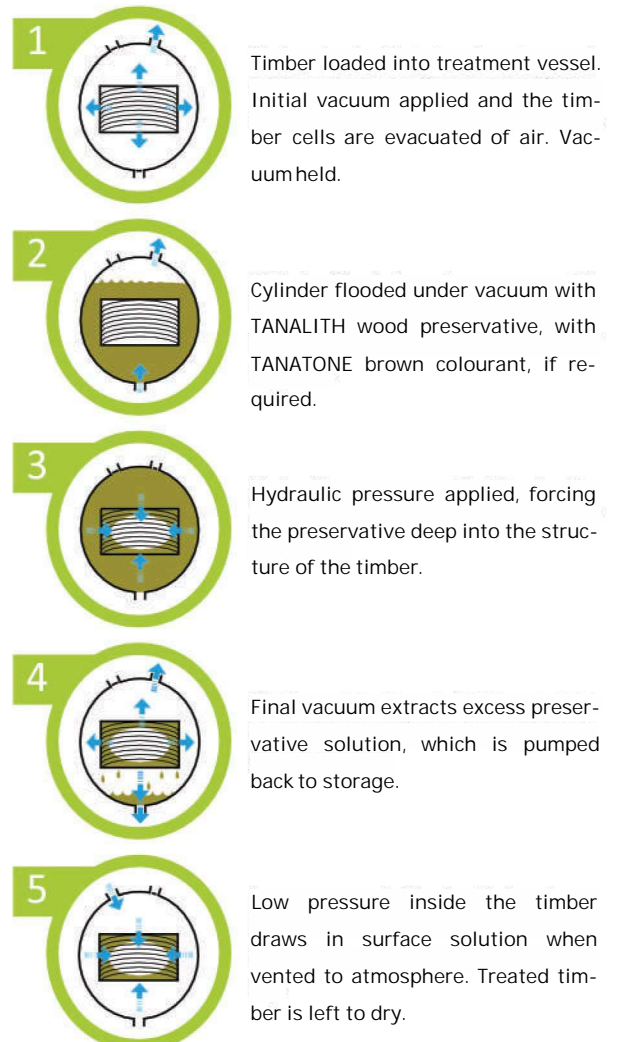
⚠ The burning of impregnated timber is strictly prohibited. Impregnated timber that is no longer needed shall be burnt in special chambers and the ashes shall be buried.

⚠ It is not possible to preserve all types of wood by impregnation, as there are differences between the grades to which different types of wood can absorb preservatives.

Impregnated timber is perfectly safe for people, provided it is impregnated correctly, using the correct process and with the required proportions of the components that make up the mixture of impregnation material.



PRESERVATIVE TREATMENT PROCESS





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