

WATERWOOD

NATURAL DECKING

The wood types

WALABA | GUYANA TEAK

Content

04

The Brokopondo Reservoir

A sunken forest is used meaningfully

08

WALABA

Its natural substances make it so durable

14

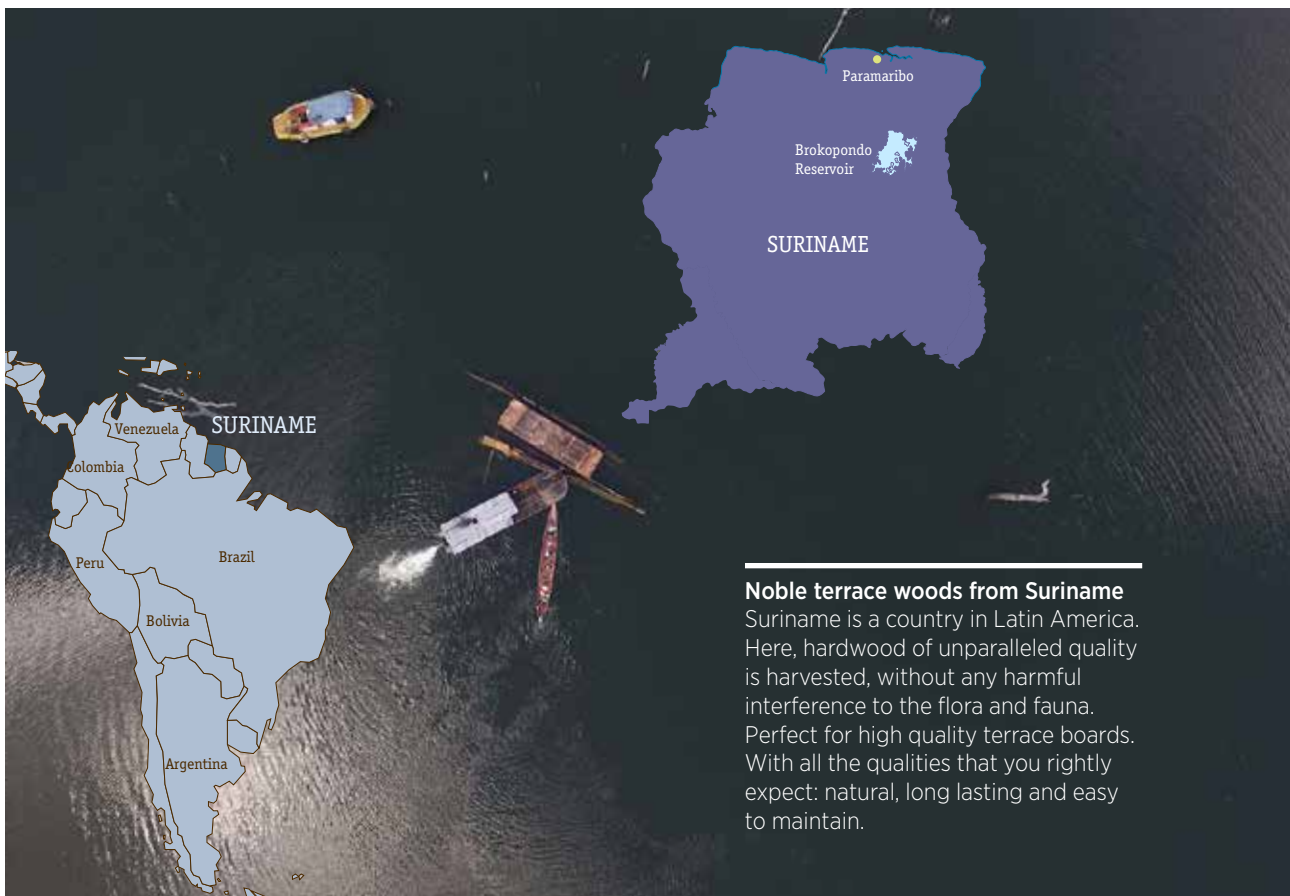
GUYANA TEAK

Robust and naturally long lasting

25

Maintenance and advantages

How to maintain wooden terraces



The reservoir



The sunken forest



WATERWOOD
NATURAL DECKING

The 'Brokopondo Sea' in Suriname is one of the largest reservoirs in the world. It contains a treasure which cannot be ignored: Millions of cubic metres of wood of the highest quality.

The reservoir

Unusual recycling:

These giant trees, which died 50 years ago, provide first class wood - that stands up to any weather.



The Brokopondo Reservoir with its over 1500 km² area is approximately twice the size of New York City. Its special feature: A treasure is hidden under the surface. As when the lake was formed by the construction of a dam between 1960 and 1964, the forest remained in the flooding zone. The amount of wood, which is still under water, is sufficient for a constant harvest of a minimum of 50 years. The surprising thing: Although the trees have long since died, their quality is exceptionally high as the fresh water has preserved them. They are highly resistant to rotting and are therefore particularly suitable for outdoor use.

THE TREASURE IS RECOVERED

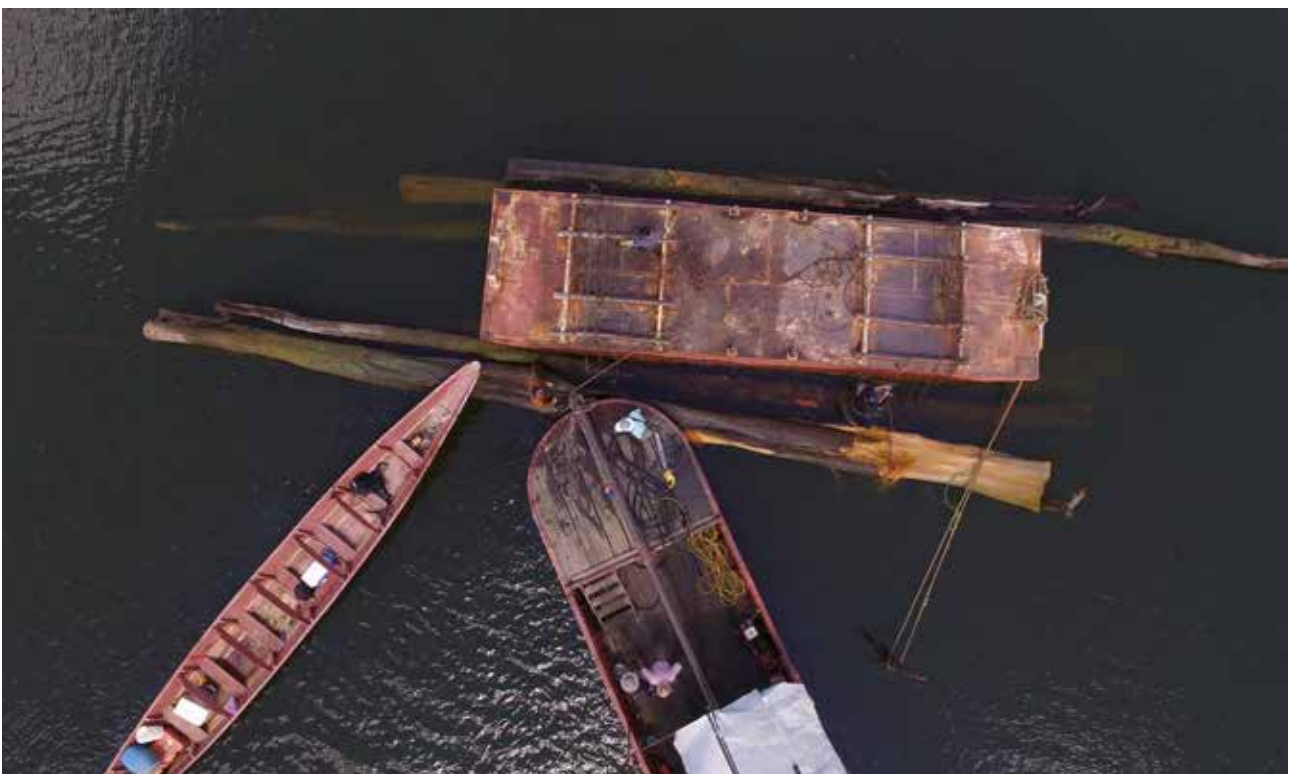
In 2010, a local Surinamese company together with the German wood specialist Barth & Co. started to harvest the wood from this reservoir and to process it into high quality terrace boards. Not an easy job: The

trees must be selected and cut by divers at a depth of 30 metres. "The harvest is complicated and expensive, but the use of this resource makes ecological sense as the trees in the lake are slowly decaying and climate damaging methane is being released," explains Barth & Co. Managing Director Stephan von Schreitter.

TERRACE BOARDS MADE IN EUROPE

After the cutting and quality control on site, Barth & Co. ships the material to Europe. Here it is processed by a specialist in the Netherlands to become high quality terrace boards. The waste and wood shavings are used in the local bio power plant to produce heat and electricity.

Stephan von Schreitter: "We are convinced that this effort is worthwhile as an increasing number of people now recognize the value and beauty of these particular woods and acknowledge the careful handling of such valuable materials."



WALABA



25 x 140 mm System boards

A child wearing blue jeans is lying on their back on a dark brown wooden deck. Their legs are bent and raised in the air. A small pug dog is sitting on the deck to the left of the child. The deck is made of vertical wooden planks with visible grain and knots.

WATERWOOD
NATURAL DECKING

Walaba

is particularly durable outdoors, because it is already impregnated by nature. The trees protect themselves against the many pests in the tropical rain forests by producing large amounts of resins and waxes. However, these substances are not only an effective protection against pests but also make the wood extremely weather resistant.

WALABA



25 x 90 mm System boards, English pattern



WATERWOOD
NATURAL DECKING

Universal Partner:
With their silvery grey finish, terraces made of Waterwood fit harmoniously into every garden.

« Walaba wood is the right choice if you want a naturally grey terrace. »



25 x 140 mm Long boards, English pattern

WALABA

Boards 140 mm wide, natural

The installation with screws has substantial advantages, regardless of the width of the boards:

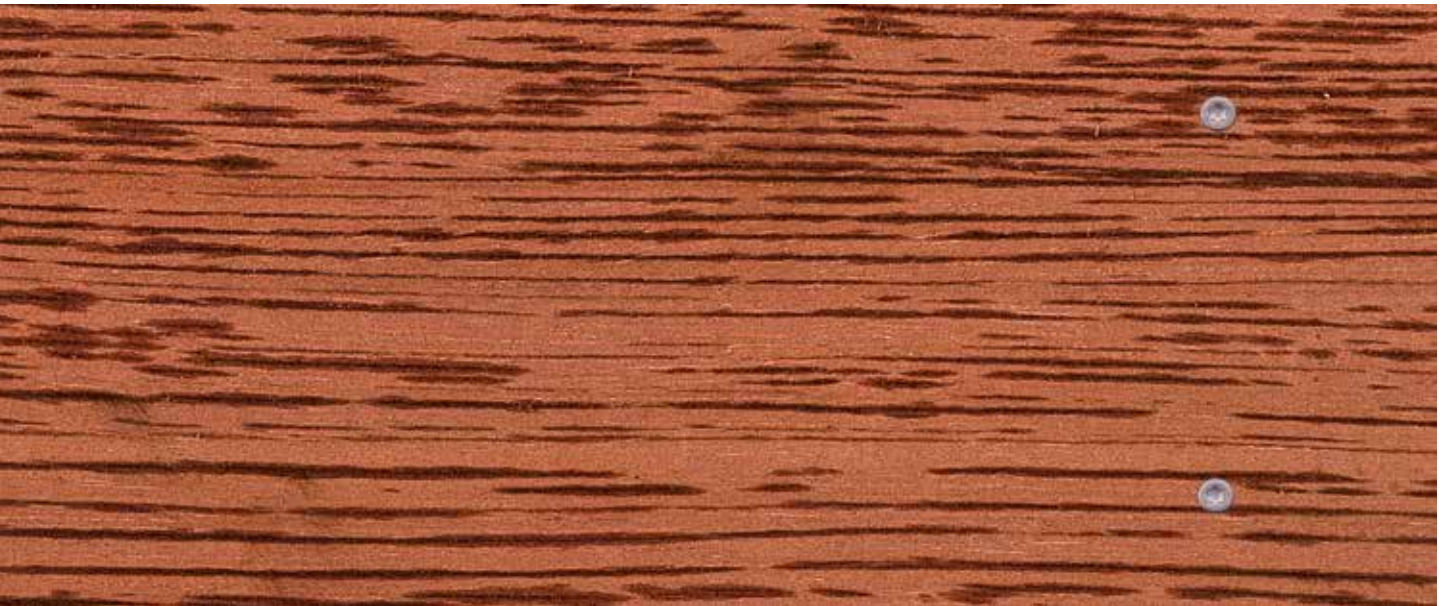
- Narrow jointwidths
- The boards do not slip.
- Easy replacement possible

Boards 90 mm wide, natural

What are the advantages of widths of 90?

- The economical price of boards
- The attractive appearance
- Only one screw in the middle is sufficient.

Board 90 mm wide, silver grey (after a few months of weathering)



WALABA

Walaba is a wood with very special characteristics.

It is naturally permeated with waxes and resins and therefore it is not only extremely durable in the outdoor area, but is also particularly dimensionally stable. It hardly swells and fades.

The substances impregnate the wood. Especially when exposed to strong sunlight, the substances can occasionally

appear as sticky patches on the surface. As a result of weathering, the resin usually crystallizes very quickly and can be removed with a sanding scrubber or metal spatula. Should this not be possible in rare cases, use resin remover for cleaning. The resin can be removed with water and a scrubber after a short reaction time. Walaba boards are especially suitable if you would like your terrace to become grey naturally.

Technical details

Botanical name	Eperua falcata
Resistance category	1
Density	950-1,100 kg/cbm at 12 % wood moisture content
Hardness (Janka)	8.700 N
Tangential shrinkage	6.5 %
Radial shrinkage	2.3 %
Modulus of elasticity	18,600 N/qmm
Bending strength	139 N/qmm
Technical drying	16 % + - 1 %
Surface	Planed on 4 sides
Edges	R3 rounded

PRODUCT SPECIFICATIONS

Long boards

Thickness	Width	Lengths
25 mm	140 mm	2,13 - 4.57 meters
25 mm	90 mm	2,13 - 4.57 meters

System boards (Tongue and groove at the ends)

Thickness	Width	Lengths
25 mm	140 mm	1.20 - 1.80 meters
25 mm	90 mm	1.20 - 1.80 meters

Substructure WALABA (air dried)

Thickness	Width	Lengths
42 mm	70 mm	1.83 - 4.57 meters

Please note that all terrace boards have a face side and a rear side. Larger errors are permitted on the rear side. They are always laid facing downwards during installation. Details on sorting and typical wood features can be found on our website www.waterwood-decking.com

A woman with long blonde hair and sunglasses is sitting on a wooden lounge chair with a cream-colored cushion. She is on a wooden deck made of Guyana Teak planks. In the background, there is a brick wall with a window and some greenery. Two other wooden chairs with blue cushions are also visible.

GUYANA TEAK

Guyana Teak

is durable and tough. Its weather resistance makes this wood ideal for the construction of high quality terraces. In the maritime sector, Guyana Teak has been used worldwide for decades as a highly resistant wood.

WATERWOOD

NATURAL DECKING



25 x 90 mm Systemboards, English pattern

GUYANA TEAK



25 x 90 mm Long boards



Life outside:

Waterwood terraces extend your house into the garden. Naturally, without any chemicals.

25x 140 mm Long boards, English pattern



« Guyana Teak impresses with its warm, brown colour and a discreet wood structure. »

GUYANA TEAK

Boards 140 mm wide, natural

The installation with screws has substantial advantages, regardless of the width of the boards:

- Narrow joint widths
- The boards do not slip.
- Easy to replace

Boards 90 mm wide, natural

What are the advantages of widths of 90?

- The economical price of boards
- The attractive appearance
- Only one screw in the middle is sufficient.

Board 90 mm wide, silver grey (after a few months of weathering)



GUYANA TEAK

Guyana Teak terrace boards are convincing due to their even, beautiful brown and their restrained wood grain. The silver grey finish created by months of light, air and rain gives the boards a timeless elegance. In the Netherlands, Guyana Teak has proved its worth over many decades in the construction of hydraulic structures.

It resists the highest demands unscathed, even in seawater. After some time of weathering, the wood also obtains a homogeneous silver grey finish. The original colour tone can be maintained by annual maintenance with a pigmented oil. Guyana Teak is dimensionally stable, resistant and durable.

Technical details	
Botanical name	Dicorinya guianensis
Resistance category	1-2
Density	790-850 kg/cbm at 12 % wood moisture content
Hardness (Janka)	6.500 N
Tangential shrinkage	9.3 %
Radial shrinkage	5.1 %
Modulus of elasticity	16,000 N/qmm
Bending strength	135 N/qmm
Technical drying	16 % + - 1 %
Surface	Planed on 4 sides
Edges	R3 rounded

PRODUCT SPECIFICATIONS

Long boards		
Thickness	Width	Lengths
25 mm	140 mm	1.83 - 4,57 meters
25 mm	90 mm	1.83 - 4.57 meters

System boards (Tongue and groove at the ends)		
Thickness	Width	Lengths
25 mm	140 mm	1.20 - 1.80 meters
25 mm	90 mm	1.20 - 1.80 meters

Substructure WALABA (air dried)		
Thickness	Width	Lengths
42 mm	70 mm	1.83 - 4.57 meters

Please note that all terrace boards have a face side and a rear side. Larger errors are permitted on the rear side. They are always laid facing downwards during installation. Details on sorting and typical wood features can be found on our website www.waterwood-decking.com



Maintaining wooden terraces

SMOOTHLY PLANED IS NOT SLIPPERY!

Our terrace boards are always smooth planed on 4 sides. Smooth however does not mean slippery and offers many advantages. The smoothly planed surface brings out the best of the structure of a noble wood. This planing provides the least surface area where green growth can form and is much easier to clean than ribbed or toothed products.

NATURALLY COLORED SURFACE

Whether you prefer the original wood colour or you let the terrace become naturally grey is a question of personal taste. If you want to conserve the wood colour, the terrace should be cleaned once a year and treated with a good terrace oil. The oil should contain a UV blocker to prevent greying. It also counteracts the formation of superficial cracks and protects the wood against soiling.

SILVER GREY SURFACE

Naturally greyed terraces have their own charm and blend harmoniously into the garden landscape. The grey reflects the sunlight. That is the reason why grey terraces do not become so hot. The durability of the wood is not reduced by the greying.



Maintenance tools

Terrace cleaner



For the cleaning of wooden terrace floors. Terrace cleaners remove dirt and reduces the formation of unsightly green growths.

Terrace oil



For surface treatment and renovation of cleaned wooden terraces. The pigments contained in the oil maintain the natural wood colour with regular application.

Abrasive scrubber



An abrasive scrubber has sturdy silicon carbide bristles. With regular brushing, it removes dirt and deposits and maintains the wood surface pleasantly clean and smooth.

The advantages at a glance



Waterwood is ecological

The trees in the reservoir died 50 years ago. The use of this resource makes sense from an ecological point of view. The valuable material is protected against rotting and is processed into wood for terraces.



Naturally long lasting

Their natural substances make our woods extremely long lasting and robust. They are resistant to fungi and other pests. Properly installed and maintained, a terrace will last for 20-30 years without any additional impregnation.



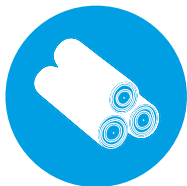
Careful drying

Our wood is gently air dried for several months and subsequently technically dried. After the slow planing to become terrace boards, a careful final inspection is carried out. The ends of the boards are sealed in order to counteract the formation of cracks. A lot of work for a good end product.



Double planing

By careful planing, careful drying and subsequent final planing with specially hardened blades, all boards obtain a high quality surface. The sophisticated smooth planed surface emphasizes the grain and structure of the wood.



Careful choice of wood

All products have an identical surface on both sides. They are sorted in such a way that they have a good face side, which is turned upwards when installing. Imperfections are permitted only on the rear side, if they do not endanger the stability of the product.



WATERWOOD

NATURAL DECKING

www.waterwood-decking.com