



KEBONY YACHT DECKING

as good as teak and environmentally friendly

Kebony is an award winning real wood eco-alternative to teak. Based on certified maple it has the advantages of being more resistant to wear and easier to maintain.



High quality yacht decking has traditionally been made from Burma teak. The extraction of Burma teak is having a dramatic effect on our environment.

- Kebony is a revolutionary Norwegian product which uses sustainable maple modified in an environmentally friendly process using a liquid derived from plant waste.

- Kebony has all the attributes of teak in terms of stability, durability and weathering.

- Kebony is for the next generation of yacht owners who demand a high performance decking material.

The difference is not what you see

On the surface, Kebony yacht decks are as beautiful and durable as teak and have the same patina finish.



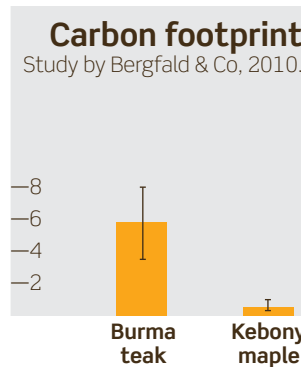
After installation

After 3 months

FSC certified Kebony has a substantially lower carbon footprint than Burma teak. The study includes wood harvesting, chemicals, manufacturing, processing and transportation and shows that CO₂ emissions from one m³ Kebony is less than 10% of teak from Burma.



■ Tonnes CO₂ pr m³
I Uncertainty



CONTESSA





SOLVIK BOATS



ELAN



WINDY



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Most people choose Kebony for its **quality**

Many compare it to teak



Aesthetic, natural wood

- Beautiful natural appearance
- Even, silver-grey patina over time, like teak
- Lovely to walk on with the same non-slip qualities as teak



Durable, hard-wearing and stable

- As durable as teak
- Harder than teak
- More hard-wearing as fewer fibres are lost
- As stable as teak



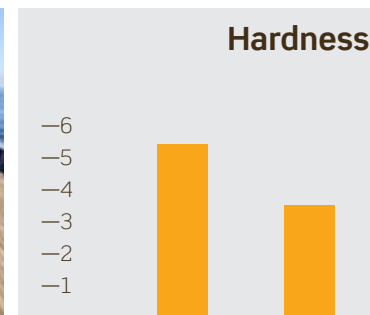
Easy to clean and maintain

- Kebony gathers less dirt than teak
- No surface treatment required
- Can be oiled or sealed like teak if desirable
- Dries quickly



Environmentally friendly and sustainable

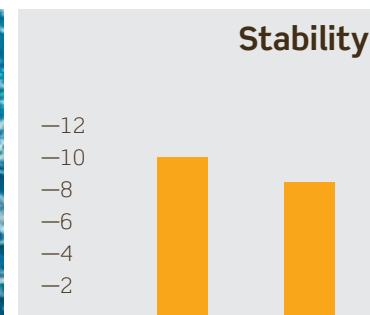
- Based on maple, a sustainable wood
- Treated with a liquid extracted from plants



Brinell hardness

Kebony Teak

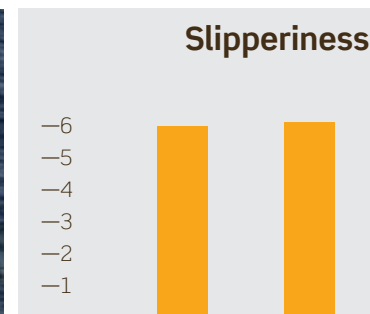
Kebony is harder and therefore more resistant to wear. Kebony gathers less dirt and is therefore easier to keep clean.



Volumetric swelling in %

Kebony Teak

Kebony is every bit as stable and durable as teak.



Slipperiness

Kebony Maple Teak

Friction coefficient tested for wet conditions using rubber foot. Friction coefficient higher than 0.45 are defines safe.

Kebony decking has been tested

Kebony has been tested and documented for almost ten years in field and laboratory tests. The results are so positive that Kebony is the only sustainable alternative to teak.

	Hardness Brinell	Stability Max vol swell (dry - wet)	Durability Natural durability class	Slipperiness Friction coefficient (Rubber on Wet Wood)
Kebony Maple	6,0	9,5 %	1	0,60
Iroko	3,5	9,5 %	2	N/A
Teak	3,5	8,9 %	1	0,61

References SHR report code 8.405, Sept. 2008, SP report PX02026, June 2010, FPL wood handbook and CIRAD Tropix 6.0

Kebony is offered in **two qualities**

Premium C4S, vertical grain, some fibre disturbances, mostly even colour.

Yacht C4S, vertical grain, fibre disturbances allowed, colour variations allowed.

Kebony is supplied as finished lamellas with square edges or with standard rebates (1 x 5 mm or 2 x 2,5 mm). Kebony is supplied in thicknesses 6 mm and 9 mm, widths from 36 mm up to a maximum of 130-150 mm. The length is from 1.0 to 3,5 meters. Other dimensions/profiles available by special order.



‘Kebony has the right solution for the future’

“Kebony has launched a revolutionary new product which meets all the criteria of quality and beauty of teak. Kebony is our preferred decking material.”

Jeremy Rogers

MBE of Contessa Boats
www.jeremyrogers.co.uk



Installation

Kebony is installed as teak. Kebony has been tested successfully by Sika, who have made an installation instruction. Similar tests has been done successfully by SABA, and for Simson products by SP Trätekt, Sweden.

Kebony has been approved under harsh environments such as in the North Sea, Mediterranean, Caribbean, Indonesia and the Atlantic.



Maintenance

- The decking should be washed regularly with fresh or salt water, using a brush with soft bristles.
- When needed the deck can be cleaned using a mild and pH neutral cleaning solution.
- The original tan color of the deck can be restored by sanding the deck with 100-120 grit sandpaper.
- Further information can be found in the Use and Maintenance document.



The carbon footprint

The use of Burma teak extracted from the largest natural teak forests in the World is having a dramatic effect on our climate.

Kebony have produced a fully certified eco alternative to teak using certified European maple which is enhanced by the infusion of bio waste.

In recent independent studies it has been concluded that the carbon footprint of Kebony is substantially lower than Burma teak. The study takes into consideration harvesting methods, chemicals used in the Kebony process and transportation.

Deforestation during the extraction of teak with the land being converted to grassland is the major contributing factor for large emissions of carbon dioxide. The maple used in the Kebony process is FSC certified and after clear fell the areas are reinstated to forest making the raw material carbon neutral.

The conclusion of this study is clear, that Kebony maple used in yacht decking and other applications has a far less detrimental effect on our climate in comparison to that of Burma teak.



Global Cleantech 100



Swan label pending



FSC Certified



The Glass Bear



Blue Ocean Sustainability

Some quotes

“The potential for this, the impact, is enormous, isn't it...”

CNN

“One way out of this problem would be an environmentally friendly way of making softwood harder and more durable - something that a Norwegian company called Kebony has now achieved.”

The Economist

“50 things that will change your world..”

CNBC Business 2009

“Commercial logging is a key driver behind the destruction of the rainforest. You need to think. Don't use tropical timbers, find alternatives because we need the tropical rainforest for our common future.”

Lars Løvold, Director of Rainforest Foundation Norway

“... as it weathers it becomes more like teak and the company claims it is indistinguishable from the real thing..”

Boat International

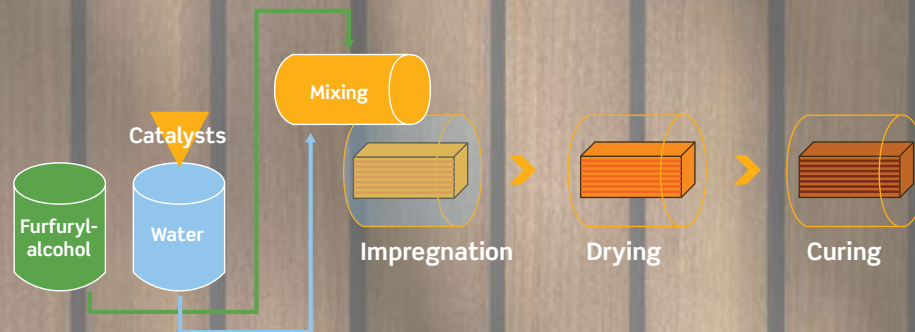




A unique process

Kebony is manufactured using a process that is the result of many years of research and development at highly respected international research institutions.

The process of impregnation and heat permanently alters the cell walls, improving its durability and dimensional stability.



Contact us by e-mail at info@kebony.com or by phone (+47) 06125. You can find out more about how this revolutionary Norwegian wood can be used at www.kebony.com