

ke  
bo  
ny®

Beauty &  
Performance  
in Wood™

English



# What is Kebony?

## Kebony is a beautiful wood recommended by leading architects.

Kebony is sustainable, durable and requires no maintenance beyond normal cleaning. Kebony's performance has been proven in a variety of applications including decking and cladding.

Developed in Norway, the Kebony® technology is an environmentally friendly, patented process, which enhances the properties of sustainable softwood with a bio-based liquid. The process permanently modifies the wood cell walls giving Kebony premium hardwood characteristics and a rich brown color.

Kebony is available in clear and character grade. After exposure to sun and rain the wood develops a natural silver-grey patina. Performance is maintained, while beauty is enhanced.



Recognized as Technology Pioneer by the World Economic Forum and Global Cleantech 100 listings, Kebony has been embraced by leading international architects and developers, which are served through a global sales and distribution network.

As part of the company's commitment to corporate social responsibility, Kebony has chosen to participate in these global initiatives:



# The Kebony® technology

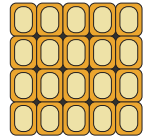


## STEPS

### 1 Impregnation

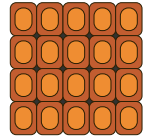
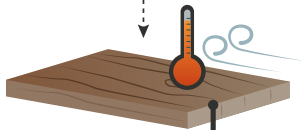


Furfuryl alcohol.  
Produced from a  
bio-based liquid



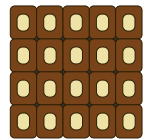
Wood cells  
before treatment

### 2 Curing & Drying



Wood cells  
soaked in liquid

### 3 Kebony wood



Wood cells after  
treatment: significantly  
thicker

Stable, locked-in furan  
polymers in the wood  
cell walls give:

- Outstanding stability
- Maximum hardness
- Guaranteed long life



# Durability, hardness & maximum movement

Wood species	Durability 1=best EN 350	Hardness Brinell N/mm <sup>2</sup> EN 1534	Swelling Dry to wet in tangential direction (%)
Ipe	1	53	6
<b>Kebony Clear</b>	<b>1</b>	<b>41</b>	<b>4</b>
Thermo Ash	1 – 2	30	5
<b>Kebony Character</b>	<b>1 – 2*</b>	<b>20 – 30</b>	<b>6</b>
Bangkirai	2	63	11
Oak	2	33	4 – 6
Thermo Pine	2	16	4
Thermo Spruce	2	16	4
Western Red Cedar	2 – 3	12	5
Siberian Larch	2 – 3	17	7
Douglas Fir	4	20	8
Maple	5	37	9

\*) Treated sapwood



# Appearance

Kebony woods have a deep brown colour that will turn to a silver-grey patina over time. The speed of this greying process depends on the intensity of exposure to sun and rain and type of application.



Kebony Clear products are produced from FSC®-certified *Pinus Radiata*, they have a clear front surface and are treated through the board. Kebony boards can be further machined as any hardwood.



Kebony Character products are produced from FSC®-certified *Pinus Sylvestris* and contain knots and untreated heartwood. They should not be further machined or split as untreated heartwood will be exposed. Kebony Character products can be cross-cut to length. Exposed end grain after cross-cutting must be treated with a wood preservative.

# Beach pavillion new



The Kebony® technology gives a deep rich brown colour. After exposure to sun and rain the wood develops a natural silver-grey patina. Original colour can be

maintained using UV protection oils. Kebony is a natural wood product for outdoor applications and its appearance will therefore be influenced by local

# After 3 years



The beach pavillion **Bexhill-on-Sea** in Sussex / UK. The pictures show how the elements have given the wood a beautiful patina.

Milimetre, Photo © Keboony

environmental conditions over time. Colour changes and small surface cracks will occur due to natural weathering. The manufacturer cannot be held liable

for any of such variations in colour and surface appearance. This will not influence durability and overall performance of the product.


# Product benefits

Kebony is a highly durable, sustainable wood with the aesthetics and performance of the best tropical hardwoods. It requires minimum maintenance and brings low life cycle costs.



**REAL WOOD**

Real wood with enhanced cell structure



**REFINED & BEAUTIFUL**

Develops a natural patina after exposure to sun and rain



**LOW MAINTENANCE**

No additional treatment needed beyond normal cleaning



**MAXIMUM HARDNESS**

Hardness levels increased to levels of the best hardwoods



**OUTSTANDING STABILITY**

Swelling and shrinkage reduced by 40-60%



**GUARANTEED LONG LIFE**

Outdoor life time warranty of 30 years against rot




**HIGH RESISTANCE**

Against fungi, rot and other wood destroying micro organisms



**SAFE & TOXIN-FREE**

No toxins or harmful impregnation substances



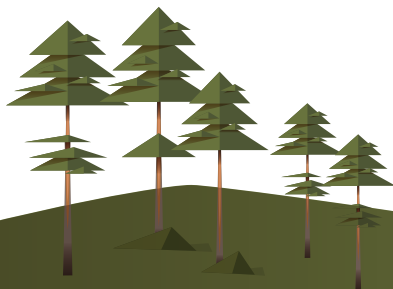
**ECO-TECHNOLOGY**

Bio-based liquid used in Kebony technology



**SUSTAINABLE SOURCES**

Sustainably certified woods





# Kebony applications



RESIDENTIAL



PUBLIC



COMMERCIAL



LANDSCAPE

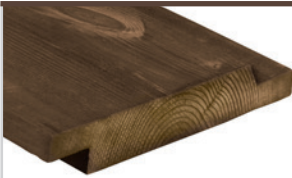


MARINE



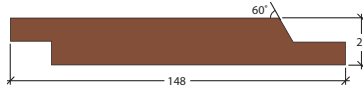
# Examples cladding profiles

## Kebony Character



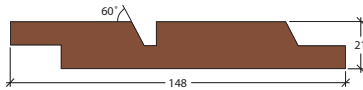
Art. Nr. **2240**

**Shiplap 60°**  
Kebony Character 21 x 148 mm



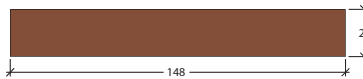
Art. Nr. **2242**

**Shiplap 60° with shadow line**  
Kebony Character 21 x 148 mm



Art. Nr. **1243**

**Rectangular**  
Kebony Character 21 x 148 mm

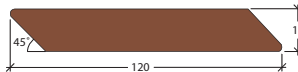


## Kebony Clear



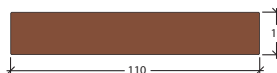
Art. Nr. **2436**

**Rhombus**  
Kebony Clear 19 x 120 mm



Art. Nr. **2447**

**Rectangular**  
Kebony Clear 19 x 110 mm



All products – both Clear and Character – are FSC®-certified.

For all products and profiles see:  
[www.kebony.com/products](http://www.kebony.com/products)



KMK Architects, Photo © Kebony

**Bowling Green Residential House UK** Wood Kebony Clear **Status** New



WAM Design, Photo © Kebony


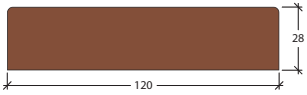

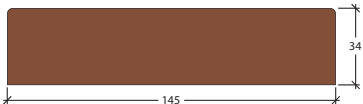
**Beach House Camber Sands** Sussex Wood Kebony Clear **Status** Weathered

# Examples decking profiles

## Kebony Clear

 Art. Nr. <b>2226</b>	<b>Terrace board</b> Kebony Clear 22 x 142 mm 
 Art. Nr. <b>2131</b>	<b>Terrace board with side slits</b> Kebony Clear 22 x 142 mm 
 Art. Nr. <b>2522</b>	<b>Boardwalk</b> Kebony Clear 38 x 140 mm 

## Kebony Character

 Art. Nr. <b>1127</b>	<b>Terrace board</b> Kebony Character 28 x 120 mm 
 Art. Nr. <b>1171</b>	<b>Pier decking</b> Kebony Character 34 x 145 mm 

All products – both Clear and Character – are FSC®-certified.

For all products and profiles see:  
[www.kebony.com/products](http://www.kebony.com/products)

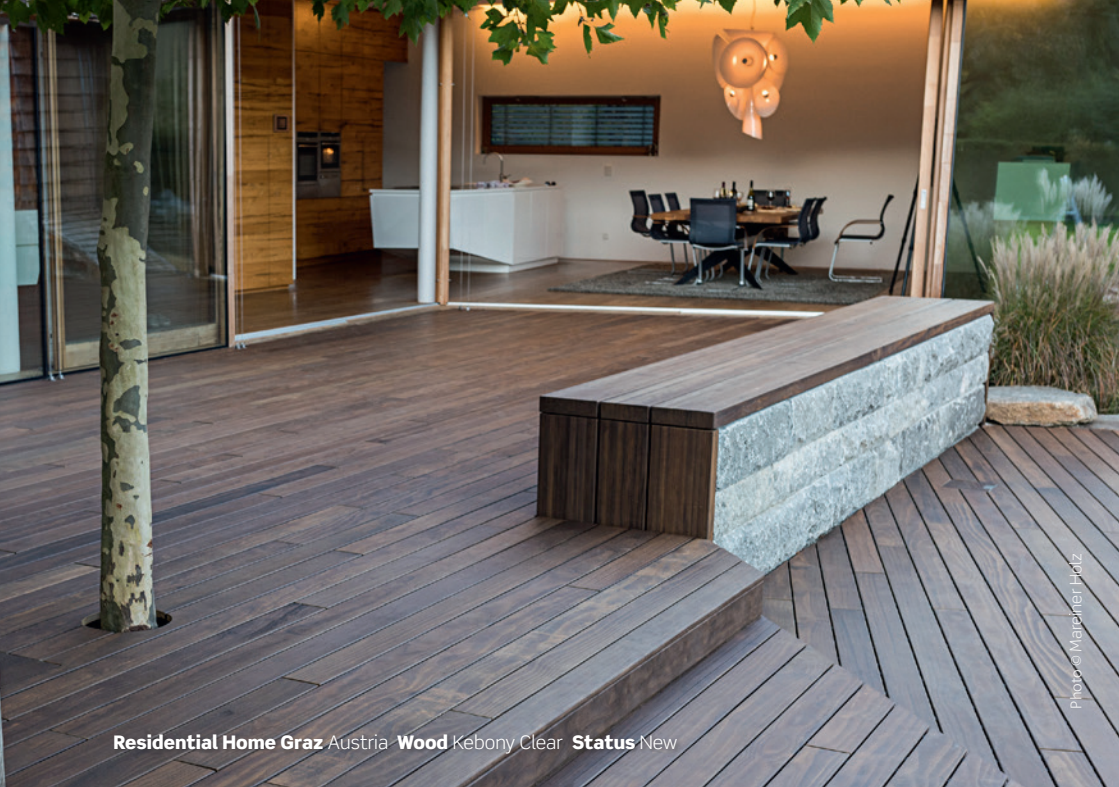
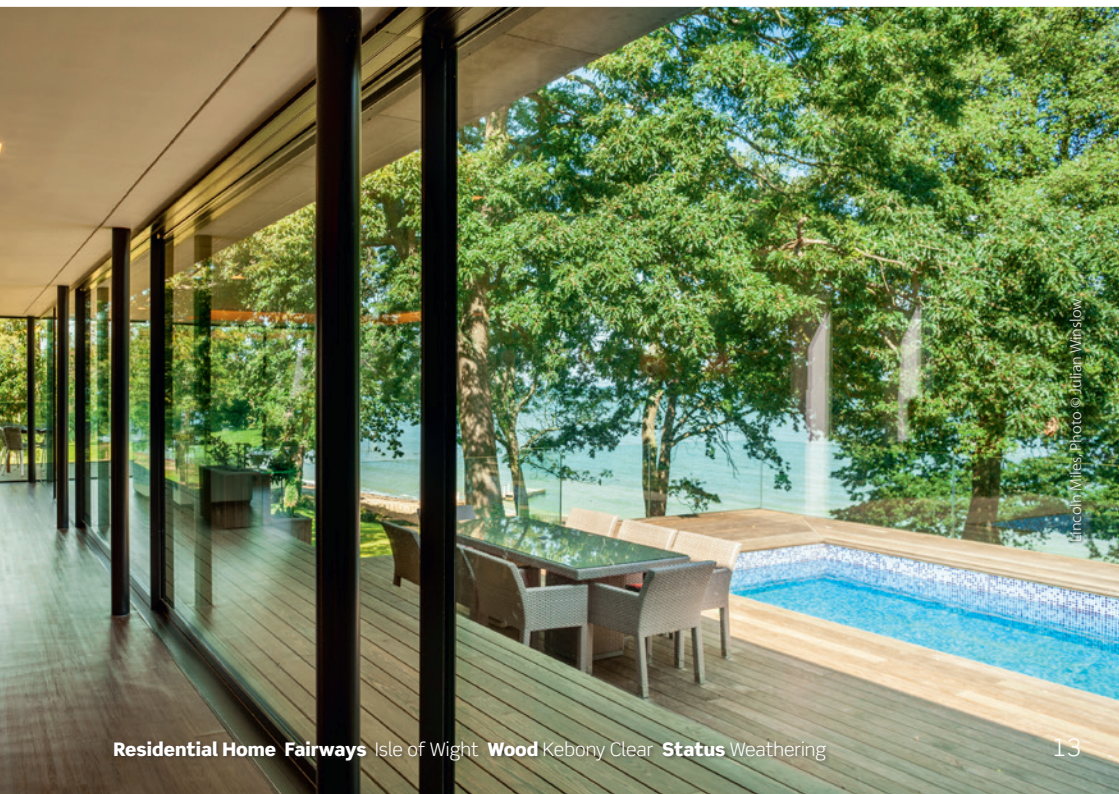


Photo © Mareiner Holz

**Residential Home Graz** Austria **Wood** Kebony Clear **Status** New



Lincoln Miles Photo © Julian Winslow

**Residential Home Fairways** Isle of Wight **Wood** Kebony Clear **Status** Weathering

# Beautiful wood recommended by leading architects

RESIDENTIAL

**Residential Home Palo Alto** California **Wood** Kebony Clear **Status** New

Fernau & Hartman, Photo © Richard Barnes

LANDSCAPE

**Sørenga Boardwalk** Norway **Wood** Kebony Character **Status** Weathered

LPO Arkitekter, Kristine Jensen & Aas Jakobsen, Photo © Kebony



**MARINE**

Edgewater Resources, Photo © David Trott

**The Inn at Harbour Shores** Michigan, USA **Wood** Kebony Clear **Status** Weathering



**EDUCATION**

LINK Arkitektur, Photo © Jim Hawan

**Waldorf School** Fredrikstad, Norway **Wood** Kebony Character **Status** Weathering

