



# CASA DECK



**CASA DECK** gives you the possibility to design your living space individually.

You can order the decking **Mediterranean** and **Classic** in 3 types of wood of the highest durability class 1 according to standard DIN EN 350-2 in different dimensions as well as wooden tiles.

## Our philosophy: **CASA DECK** values origin of wood and fair trade.

### Origin of wood – certification

Casa Deck is made of wood from controlled natural forests. The sustainability of the forests is assured through selective cutting and re-forestation. The producer Samartex was certified in November 2006 by the Rain Forest Alliance „Smartwood Initiative“ as meeting the FSC Controlled Wood Standard. Smartwood is the leading global certifier for FSC.

In this respect Casa Deck differs from many other producers of material from tropical wood worldwide such as Bankirai, who usually cannot prove its origin from controlled forests, and thus uncontrolled cutting is not excluded.



The origin of all Casa Deck material is carefully documented, from the controlled production of the raw material to the final product, including the short trade route directly from the producer to the market. As the consumer, you can always know exactly where our products really come from.

### Fair Trade

Casa Deck goes even further: in addition to environmental protection measures we also feel responsible for a reliable water supply and support social facilities such as hospitals, kindergartens, schools and other learning institutions, even a football team. In order to improve the standard of living and income of the rural population of our region, comprehensive forestry projects have been initiated with the effect of reducing pressure on the natural forests. Since production, from the beginning to the final product, remains in Ghana, the net value remains in the country of origin. By purchasing Samartex decking and decking products you are supporting these projects.

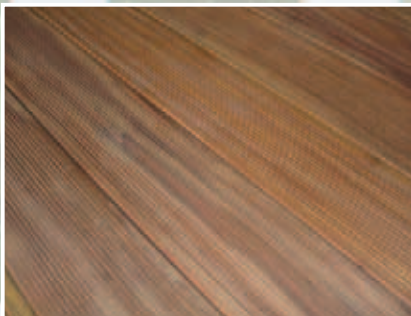
# Terrace decking Terrace decking Terrace decking

## CASA DECK Terrace decking Classic

Profile cross-section

Casa Deck's sophisticated processing, from cutting the wood to drying it and giving it the final finish, guarantees incomparable quality, stability and durability.

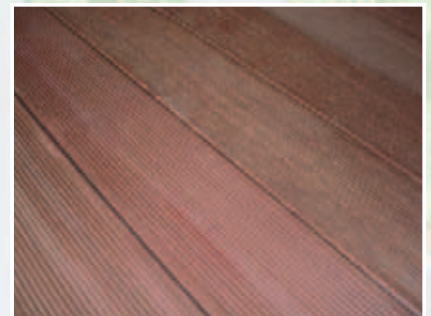
Casa Deck Terrace Decking Classic products are offered in the following top-quality and extremely durable types of wood:



African Teak



Golden Timber



Iron Wood

Terrace Decking Classic is available in the following dimensions:

Width	Thickness	Length (long plank)	Length (short plank)
145mm	25mm	1.5m in increments of 0.3m up to 4.5m	0.9m and 1.2 m



CASA DECK

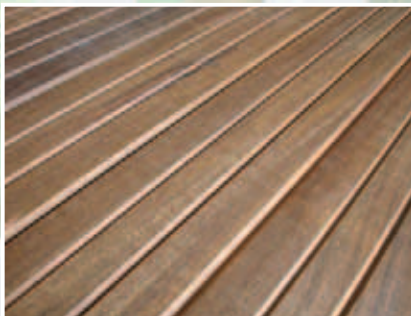
# Classic

# CASA DECK Terrace decking Mediterranean

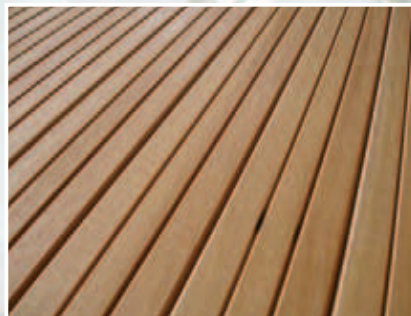


Casa Deck's sophisticated processing, from cutting the wood to drying it and giving it the final finish, guarantees incomparable quality, stability and durability.

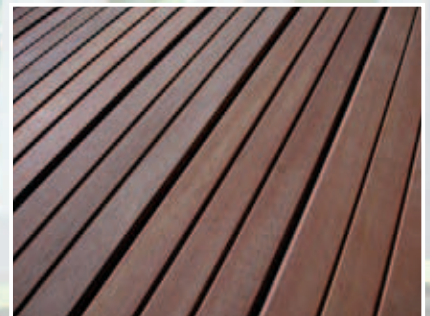
Casa Deck Terrace Decking Mediterranean products are offered in the following top-quality and extremely durable types of wood:



African Teak



Golden Timber



Iron Wood

Terrace Decking Mediterranean is available in the following dimensions:

Width	Thickness	Length (long plank)	Length (short plank)
95mm and 120mm	25mm	1.5m in increments of 0.3m up to 4.5m	0.9m and 1.2 m



# Mediterranean

# Wood tiles Wood tiles Wood tiles

## CASA DECK Wood tiles Classic

Casa Deck wood tiles are made of material 25mm thick (overall thickness 50mm). With this plank thickness our wood tiles are much more stable and durable than standard wood tiles having a plank thickness of only 9 – 20mm. Casa Deck's superior quality is also evidenced in our wood tiles.



African Teak Classic diagonal



Golden Timber Classic diagonal



Iron Wood Classic diagonal



African Teak Classic straight



Golden Timber Classic straight



Iron Wood Classic straight

Wood tiles Mediterranean are available in the following dimensions:  
50 x 50cm, width of plank 65mm and 100 x 100cm, width of plank 95mm



CASA DECK

# Classic

## CASA DECK Wood tiles Mediterranean

Casa Deck wood tiles are made of material 25mm thick (overall thickness 50mm). With this plank thickness our wood tiles are much more stable and durable than standard wood tiles having a plank thickness of only 9 – 20mm. Casa Deck's superior quality is also evidenced in our wood tiles.



African Teak Mediterranean diagonal



Golden Timber Mediterranean diagonal



Iron Wood Mediterranean diagonal



African Teak Mediterranean straight



Golden Timber Mediterranean straight



Iron Wood Mediterranean straight

Wood tiles Mediterranean are available in the following dimensions:  
50 x 50cm, width of plank 65mm and 100 x 100cm, width of plank 95mm



 **Mediterranean**

## Substructure for terrace decking and wood tiles

We recommend the same type of wood that you have chosen for your decking also for your substructure in order to maintain stability and durability. The substructure wood pieces are corrugated on one side and are available in the following sizes:

Width	Thickness	Length
70mm	45mm	1.5m in increments of 0.3m up to 4.5m
100mm	45mm	1.5m in increments of 0.3m up to 4.5m



Substructure wood piece 45 x 70mm



Substructure wood piece 45 x 100mm

## Data and interesting facts concerning CASA DECK-Wood

Type of wood	Botanical name	Weight per 12-15% m/c	Natural durability per DIN EN 350-2
Golden Timber	Nauclea Diderrichii	750 kg / cbm	1 = very durable = more than 25years
African Teak	Cylicodiscus Gabunensis	950 kg / cbm	1 = very durable = more than 25years
Iron Wood	Lophira Alata	1050 kg / cbm	1 = very durable = more than 25years

The selected types of wood all have a very high natural durability as classified according to DIN EN 350-2, even surpassing that of Bankirai.

### Residual wood moisture

Wood, being living material, shrinks when it loses moisture. The raw material for Casa Deck is dried in the air for 4 – 6 months and then put for 3 to 8 weeks into our solar drier, where the moisture content is reduced to 16 – 18%. The standard decking material offered on the market has usually not been dried and its wood moisture content of 25 – 60% is therefore much higher. Subsequent drying, however, naturally leads to shrinkage and warping. Casa Deck materials provide much more stability due to the low wood moisture content, and the warping effects are considerably smaller than found in standard terrace decking material.

### Origin of wood – certification

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### Wood cut

In contrast to Bankirai (tangential flat-sawn section) Casa Deck material is produced from comb-grained planks with mostly vertical annual rings which have a greater surface hardness and consequently a lower shrinkage loss and better durability.



Comb-grained sawn section

Comb-grained plank

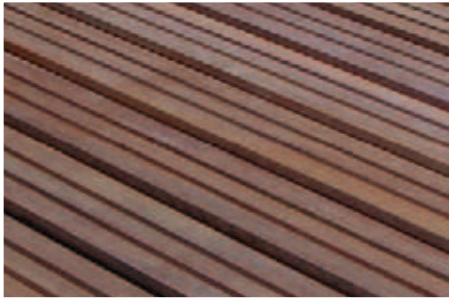


Tangential flat-sawn section

Tangential flat-sawn section

## Types of wood

Through a technically elaborate procedure we are able to convert this especially hard wood into premium decking.



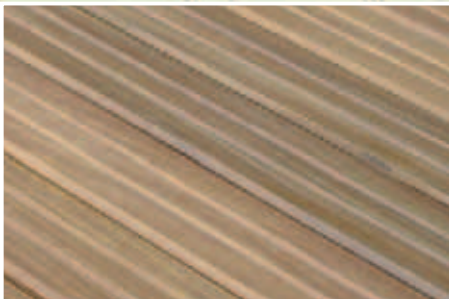
### **Iron Wood / Lophira alata:**

Weight at 12-15% moisture content about 1050kg/cbm

Natural durability class according to DIN EN 350-2: 1 = very durable

Life expectancy: over 25 years

**Iron wood** is an unusually heavy, hard and tough wood. It is among the hardest of all timbers. Bongossi is superior to all European timber in this respect. With a weight of over one ton per cubic meter it is denser than water. **Iron wood** is characterized by its great durability. It does not have to be treated, but treating it with wood oil results in a longer persistence of the beautiful dark red-brown color and a refreshing of the surface features.



### **African Teak / Cylicodiscus gabunensis:**

Weight at 12-15% moisture content about 950kg/cbm

Natural durability class according to DIN EN 350-2: 1 = very durable

Life expectancy: over 25 years

**African Teak's** naturally high content of oils protects it from attack by insects and fungi, gives it a very high resistance to weathering, and thus a long lifetime. The wood grain is also very attractive with its amber to dark-brown color. Truly a premium wood!



### **Golden Timber / Nauclea diderrichii:**

Weight at 12-15% moisture content about 750kg/cbm

Natural durability class according to DIN EN 350-2: 1 = very durable

Life expectancy: over 25 years

Similar to African Teak, **Golden Timber** has a naturally high oil content and in comparison to oak a more than 50% higher life expectancy despite a comparable weight. Its orange-golden color gives your decking a warm and inviting appearance. As with all woods exposed to the sun, **Golden Timber** also tends to get a silver-grey surface after some time. This process can be counteracted by treatment with wood oil.



You are invited to look at our  
Eco Craft-products at:  
[www.ecocraft.org](http://www.ecocraft.org)



# CASA DECK

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**D-21107 Hamburg**

Please call for free consultation:  
How can we help you?  
Are you planning to build a new terrace?  
Shall we make you an offer?

Lets talk about it, our staff will be glad to advise you!

**Phone: +49 179 / 7 57 99 50**

**Or contact us under: [casa-deck@gmx.de](mailto:casa-deck@gmx.de)**