

WoodTec-Floor

**B:** *hard*

IT'S WOOD. IT'S HARD. IT'S NATURE.

**STÖCKL**  
PARKETT

FIRST STEP FOR LIVING

[www.stoeckl.com](http://www.stoeckl.com)

# WHAT IS B:HARD?

## B:hard is WoodTec.

A unique technology additionally strengthens and hardens the surface of the wood and gives rise to the Powder-wood **B:hard**.

This technically perfected floor is more resistant and hard-wearing than conventional parquet.



**3 times harder**  
than conventional  
parquet.

# ADVANTAGES AT A GLANCE:

Long service life due  
to extremely high  
abrasion resistance

Ten times less  
resource  
consumption  
compared to  
conventional parquet  
flooring

Non-slip,  
ideal for  
underfloor heating,  
Best fire class  
Bfl-S1

Indentations and wear marks are factors that keep people from installing a wooden floor in their home. The **B:hard** surface offers a solution. No more indentations from high heels or dropped objects, no more scratches from pets or children's toys.

With excellent wear-resistance, **B:hard** is suitable for any residential or commercial space.



Combines the advantages of different floors: harder than laminate & tile, but more resistant to pressure & breakage.

20-30 % energy  
saving!  
with underfloor heating

therefore  
20-30 % less CO2  
emissions!

100 % real wood

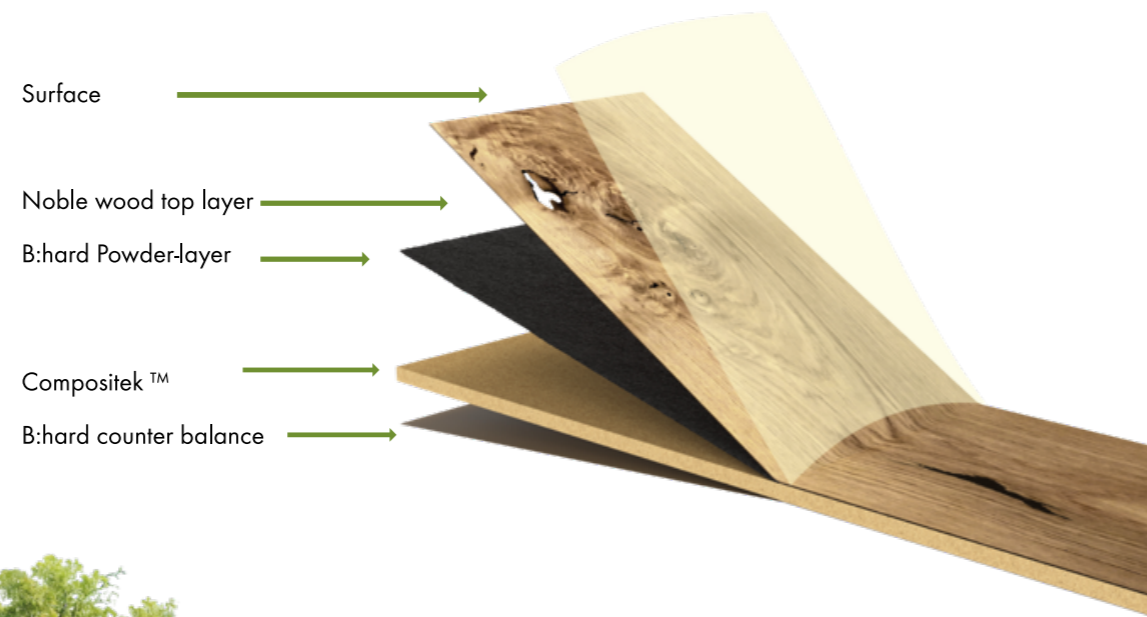
Quick & easy to  
install,  
easy to clean,  
renovable



# TECHNOLOGY

The **B:hard** technology is based on the fusion of a thin wood panel with a wood fiber core through a powder mixture layer. The powder mixture perfectly fills the natural openings of the wood and improves the appearance of the wood.

In addition, putty is no longer required and a much firmer surface is created with a hardness that is significantly higher than a traditional solid oak layer.



# SUSTAINABILITY

By using cut wood instead of solid wood, the same amount of wood can be used to produce ten times the amount of flooring compared to traditional parquet flooring. We collect our raw material from responsibly managed forests. This sustainable way of harvesting and producing means that the forests will be around for future generations.



Very durable surface



Lowest resource consumption



Wood from sustainable & certified forestry

# UNIQUE

Like solid wood, every single wooden plank is unique.

**B:hard** offers the possibility to enhance these unique properties by combining different qualities of wood panel with powder mixtures in various colors. After grouting, the flooring is surface-treated, which opens up further design possibilities. Whether you want to give your room a modern, vintage or industrial character, all possibilities are open with **B:hard** wood flooring. With a wide variety of gradings and colors, there are no limits to your imagination.

# INSTALLATION

A 5G®-click-system secures the installation with a visible and acoustic locking function. When a panel is folded down, a flexible spring is pressed into a spring groove.

Once the panel reaches its final position, the locking tongue snaps into a groove, emitting a click and locking the product vertically.



Highest utilisation class - thus optimal also for offices, restaurants or boutiques



Easy and fast installation due to 5G®/2G®-click-system



Long lifespan due to extremely high abrasion resistance



Ideal for underfloor heating - very good heat permeability - saves heating costs



Highest slip resistance (R10)



Fire classification Bfl-S1



If required, simple surface renovation possible



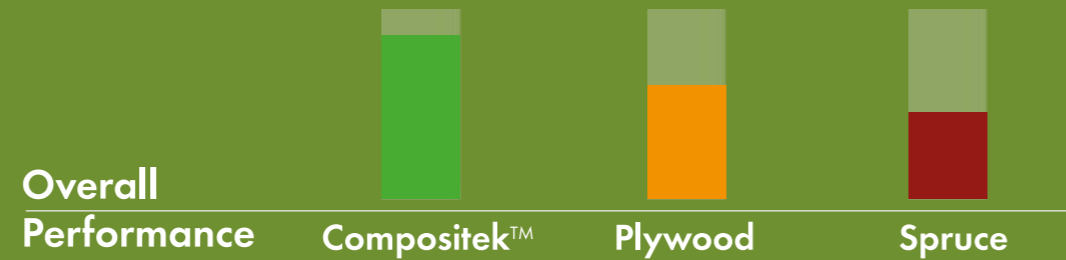
Wide range of products



Matt varnish forte, scratch test:  
highest requirement according to standard 1.0 N  
Matt varnish forte: 2.2 N

# COMPOSITEK™

The problems associated with traditional substrate materials such as spruce or plywood - swelling and shrinkage, the sticks becoming visible on the top lamella and poor heat transfer with underfloor heating - belong to the past. Compositek™ is the alternative to conventional substrate materials. Compositek™ has a lower thickness swelling, a significantly higher density and less formaldehyde.



	Compositek™	Plywood	Spruce
Surface density	+++	+	+
Density	+++	+	+
Thickness swelling	+++	++	+
Fire resistance	++	++	+
<b>Pluspoints total</b>	<b>11+</b>	<b>6+</b>	<b>4+</b>

	Compositek™	Plywood	Spruce
Surface density	2300 kg/m <sup>3</sup>	700 kg/m <sup>3</sup>	450 kg/m <sup>3</sup>
Density	947 kg/m <sup>3</sup>	725 kg/m <sup>3</sup>	450 kg/m <sup>3</sup>
Thickness swelling	1.4 %	8.2 %	-
Fire resistance	Bfl-S1	Bfl-S1	Dfl-S1

## ISO 14001

Hand in hand with nature. Through the environmental management system according to ISO 14001, the environmental balance of our company is constantly improved. The ongoing development of our processes strives to improve the eco-balance of our company.



## CERTIFICATES

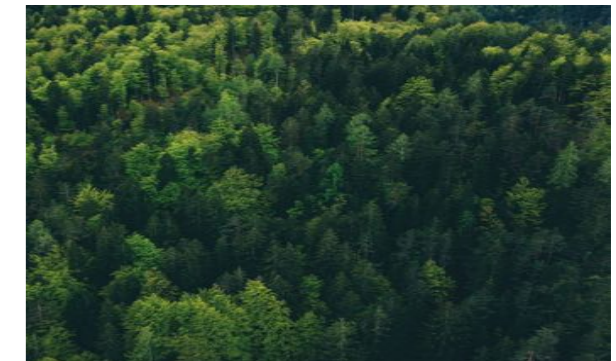
### ISO 38200

We subject our supply chain to an international standard and are committed to meeting relevant requirements of ISO 38200. This involves ensuring the traceability of the wood and proving its origin and legality along the entire supply chain. ISO 38200:2018 thus also supports UN Sustainable Development Goal 12 (SDG Goal 12) "Sustainable consumption and production".



### eco

The eco-Institut label is a seal for products with strict pollutant and emission requirements according to the latest international research. This label gives you the assurance that you can use the product in your living space without any restrictions. For health-conscious consumers.





**B:hard** Thermoboden

**H:eat smart**

The most resistant floor  
and cosiest comfort heating in one

The combination of the hard-wearing real wood floor B:hard with the full-carbon-low-temperature-surface-heating results in one of the most modern and efficient heating systems:

The innovative thermal floor

**B:hard - H:eat smart.**

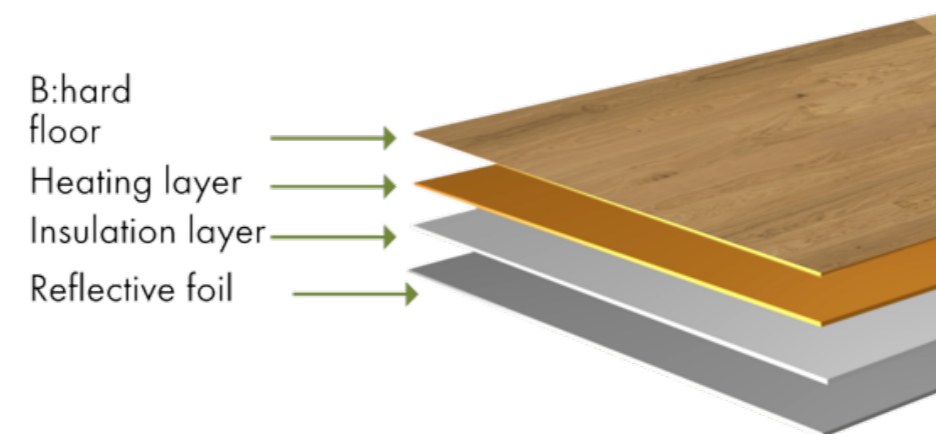


- Long service life and decades without maintenance
- No chimney or boiler room required
- Installed and laid in 1-2 days - ready for immediate use
- Ideal for renovations

- Low investment costs & price transparency
- No complex conversions necessary
- Energy saving - low heating costs
- Healthy for legs and body
- Controllable via app
- Heating room by room
- Cosy warmth - just like a tiled stove
- Wide range of products

# HOW DOES IT WORK

The carbon technology works highly efficiently and stands out for its short reaction time of approx. 30 minutes and room-by-room, demand-led control. The low-temperature surface heating is energy-saving and healthy for the legs. As a large-area radiant heater, the radiator efficiently heats all surrounding surfaces and generates an enveloping surface warmth. The cosy radiant heat is similar to a tiled stove.



# INSTALLATION

With **B:hard - H:eat** smart, everything comes from a single source. The heating and the floor are built up in layers and laid without gluing. The thermal floor is installed and laid within 1 to 2 days and can be used as a main or additional heating system. The heating can also be controlled smartly via an app.

- Short reaction time
- Quick installation
- Cosy warmth



# DATA SHEET:



## B:hard - plank

<b>Dimensions</b>	2200 * 206 * 11 mm 2375 * 271 * 11 mm
	Powder technology
<b>Brinell hardness oak</b>	81,83 N/mm <sup>2</sup>
<b>Composition</b>	Composit <sup>TM</sup> ek 947/kg/m <sup>3</sup> Emission class E1
<b>Surface</b>	Matt lacquer forte, oil & various colours
<b>Slip resistance</b>	R10 matt lacquer forte / R11 oil
<b>Profile</b>	Click/5G <sup>®</sup> -Dry ,Microfase
<b>Installation</b>	floating or glued
<b>Underfloor heating</b>	Suitable for underfloor heating 20-30 % energy savings!
<b>Thermal resistance</b>	Schwimmend 0,071 m <sup>2</sup> K/W verklebt 0,065 m <sup>2</sup> K/W
<b>Formaldehyd release</b>	E 1/s 0,01 mg/(m <sup>2</sup> +h)
<b>Chemical resistance</b>	1-C
<b>Fireclass</b>	Bfl-S1 (for full-surface bonding or floating installation with a tested underlay mat)
<b>Sustainability &amp; certificates</b>	ISO 14001, ISO 38200, CE, eco-Institut
<b>Origin wood (oak)</b>	Europe
<b>Cleaning &amp; maintenance</b>	According to STÖCKL leaning & maintenance instructions

# GRADING CHARACTERISTICS

style	charakter	natura	Colourline natura
Calm & elegant grading with low knot content	Lively grading with a modern rustic look	Plain appearance with small knots	Minor differences in structure and colour, slight flaking, small knots
Oak & walnut sapwood-free and only slight colour variations	Natural colour differences in various forms	Minor differences in structure and colour, slight flaking, small knots	The surface is colour treated



B:hard 271 / 206

Oak style

Wood is a natural product. Deviations in colour and structure may occur.  
A wood sample can therefore not convey the overall impression of a laid surface.



B:hard 271 / 206

Oak karakter



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B:hard 206

Am. walnut style

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B:hard 206

Am. walnut charakter

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B:hard Colourline

Oak natura calcit

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B:hard Colourline

Oak natura diamant



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B:hard Colourline

Oak natura saphir

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B:hard Colourline

Oak natura kristall



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B:hard Colourline

Oak natura bernstein

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B:hard Colourline

Oak natura topaz



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B:hard Colourline

Oak natura havanna

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B:hard Colourline

Oak natura earth



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B:hard Colourline  
**Oak natura tobacco**

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# DATA SHEET



## B:hard 151 - plank

<b>Dimension</b>	2000 * 151 * 9 mm
	Powdertechology
<b>Composition</b>	Compositenk™ 947/kg/m³ Emission class E1
<b>Weight</b>	approx. 9,0 kg/m²
<b>Surface</b>	Matt lacquer forte & various colours
<b>Slip resistance</b>	R10 matt lacquer forte
<b>Profile</b>	Click 5G® - Dry, micro bevel
<b>Installation</b>	floating or glued
<b>Underfloor heating</b>	Suitable for underfloor heating 20-30 % energy savings!
<b>Formaldehyd release</b>	E 1
<b>Chemical resistance</b>	1-C
<b>Fireclass</b>	Bfl-S1 (for full-surface bonding or floating installation with a tested underlay mat)
<b>Sustainability &amp; certificates</b>	ISO 14001, ISO 38200, CE
<b>Origin wood (oak)</b>	Europe
<b>Cleaning &amp; maintenance</b>	According to STÖCKL leaning & maintenance instructions

# GRADING CHARACTERISTICS

style	charakter	natura	Colourline natura
Calm & elegant grading with low knot content	Lively grading with a modern rustic look	Plain appearance with small knots	Minor differences in structure and colour, slight flaking, small knots
Oak & walnut sapwood-free and only slight colour variations	Natural colour differences in various forms	Minor differences in structure and colour, slight flaking, small knots	The surface is colour treated

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B:hard 151

Oak natura

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B:hard Colourline

Oak natura calcit

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B:hard Colourline

# Oak natura diamant

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B:hard Colourline

# Oak natura saphir



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B:hard Colourline

# Oak natura kristall

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B:hard Colourline

# Oak natura bernstein



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B:hard Colourline

Oak natura topaz

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B:hard Colourline

Oak natura havanna



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B:hard Colourline

# Oak natura earth

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B:hard Colourline

# Oak natura tobacco



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# DATA SHEET



## B:hard 200 - multi strip plank

<b>Dimension</b>	2030 * 200 * 9 mm
	Powdertechology
<b>Composition</b>	Comositek™, B:hard- Powder, real wood-top layer
<b>Weight</b>	approx. 9,0 kg/m <sup>2</sup>
<b>Surface</b>	Lack & various colours
<b>Slip resistance</b>	R10 bei Lack
<b>Profile</b>	Click 5G® - Dry, micro bevel
<b>Installation</b>	floating or glued
<b>Underfloor heating</b>	Suitable for underfloor heating 20-30 % energy savings!
<b>Thermal resistance</b>	0,043 m <sup>2</sup> K/W
<b>Fireclass</b>	Cfl-S1 (for full-surface bonding or floating installation with a tested underlay mat)
<b>Sustainability &amp; certificates</b>	ISO 14001, ISO 38200, CE
<b>Origin wood (oak)</b>	Europe
<b>Cleaning &amp; maintenance</b>	According to STÖCKL leaning & maintenance instructions

B:hard 200

B:hard 200  
Oak natura



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B:hard 200 Colourline

Oak natura weiß

Wood is a natural product. Deviations in colour and structure may occur.  
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B:hard 200 Colourline

Oak natura braun

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# DATA SHEET



## B:hard modern - herringbone

<b>Dimension</b>	774 * 129 * 11 mm
	Powdertechology
<b>Brinell hardness oak</b>	81,83 N/mm <sup>2</sup>
<b>Composition</b>	Compositek™ 947/kg/m <sup>3</sup> Emission class E1
<b>Weight</b>	approx. 10,1 kg/m <sup>2</sup>
<b>Surface</b>	Matt lacquer forte, oil & various colours
<b>Slip resistance</b>	R10 matt lacquer forte / R11 oil
<b>Profile</b>	Click 2G®/5G®, micro bevel
<b>Installation</b>	floating or glued
<b>Underfloor heating</b>	Suitable for underfloor heating 20-30 % energy savings!
<b>Thermal resistance</b>	floating 0,071 m <sup>2</sup> K/W glued 0,065 m <sup>2</sup> K/W
<b>Formaldehyd release</b>	E 1/s 0,01 mg/(m <sup>2</sup> +h)
<b>Chemical resistance</b>	1-C
<b>Fireclass</b>	Bfl-S1 (for full-surface bonding or floating installation with a tested underlay mat)
<b>Sustainability &amp; certificates</b>	ISO 14001, ISO 38200, CE, eco-Institut
<b>Origin wood (oak)</b>	Europe
<b>Production</b>	Austria
<b>Cleaning &amp; maintenance</b>	According to STÖCKL leaning & maintenance instructions

B:hard modern

B:hard modern  
Oak style

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B:hard modern Colourline  
Oak style calcit

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B:hard modern Colourline  
Oak style diamant

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B:hard modern Colourline  
Oak style saphir

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B:hard modern Colourline  
Oak style kristall

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B:hard modern Colourline  
**Oak style bernstein**

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B:hard modern Colourline  
**Oak style havanna**

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B:hard modern Colourline  
**Oak style earth**

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B:hard modern Colourline  
**Oak style tobacco**

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Installation system



Advanced technology  
with 10+ patents

woodura®

Reinforced wood surfaces



[www.stoeckl.com](http://www.stoeckl.com)

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