



# SILENTE PRODUCTS

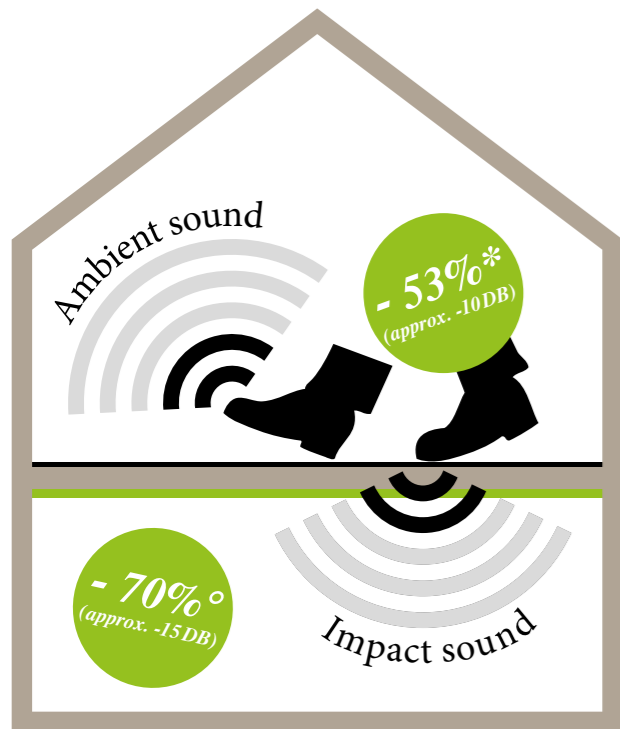
*Product Profile*

**BAUWERK®**  
*Parquet*

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# SILENTE TECHNOLOGY

*the innovative system solution*



## SILENT SUSTAINABLE SMOOTH

\* tested by IHD Dresden & EMPA, Dübendorf (IHD-W431)

° tested by ÖTI Vienna & EMPA, Dübendorf (EN ISO10140-1-5:2010)

Bauwerk's Cleverpark Silente technology is an innovative system solution that guarantees reduced ambient sound and optimum impact sound improvement thanks to its successful combination of Bauwerk Parquet products with the patented Silente ambient and impact sound insulation. Both the Cleverpark and the Multipark Silente products come with the underlay already attached.

### Silent

The innovative Silente technology achieves a significant reduction in the level of ambient sound as well as impact sound. Independent testing institutes (IHD Dresden, ÖTI Vienna and EMPA Dübendorf) have verified this claim and confirmed the excellent test results.

### Sustainable

The Bauwerk Silente ambient- and impact sound insulation underlay does not age and acts as a separating layer, facilitating swift and

easy dismantling if the floor is to be taken out. The underlay is odourless and free of unwanted emissions, creating a healthy living environment. Cleverpark Silente and Multipark Silente have been produced in the proven Bauwerk quality in Switzerland.

### Smooth

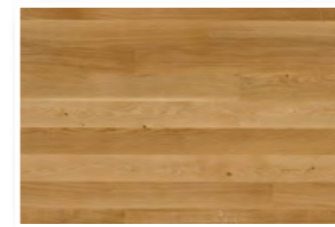
Products featuring the new Silente technology provide living comfort that meets highest expectations: Easy on the nerves through sound reduction technology and easy on the joints thanks to the elasticity of this acoustic mat. All Bauwerk products featuring the Silente technology are made entirely of materials that are safe for humans and the environment. Thanks to the closed circuit processes in the production and life cycle of Cleverpark Silente and Multipark Silente, Bauwerk is able to preserve valuable timber resources and act responsibly in the interests of future generations.

# PRODUCT OVERVIEW

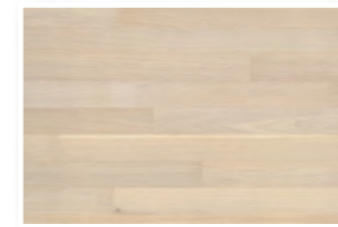
*Cleverpark Silente*

## WOOD TYPE, COLOUR, STRUCTURE & SURFACE TREATMENT

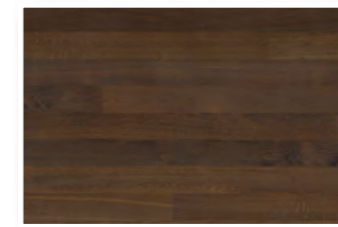
All Cleverpark Silente products are made from oak and feature the Silente ambient- and impact sound insulation underlay. In addition to the natural oak, Cleverpark Silente is also available in smoked oak and oak Farina. All products are matt lacquered.



Oak



Oak Farina



Smoked oak

## FORMAT



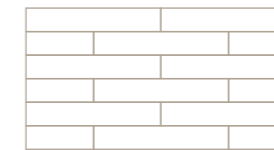
Cleverpark Silente: 1250 x 100 x 12.8 mm

## TYPES OF INSTALLATION

As with the existing Cleverpark products, the Silente products can also be installed in the Shipdeck- and English patterns.



Shipdeck

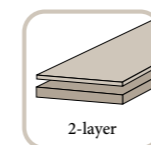


English

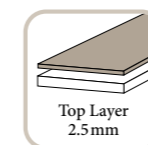
## YOUR BENEFITS

Cleverpark Silente boasts an impressive reduction in ambient sound and optimum impact sound insulation. It is ideal for new constructions and in particular for renovations.

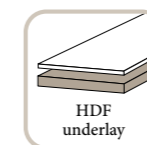
## GENERAL PRODUCT INFORMATION



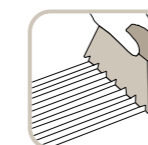
Type of parquet



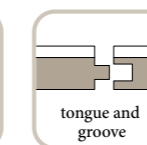
Top layer thickness



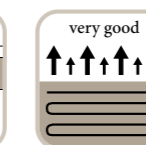
Underlay



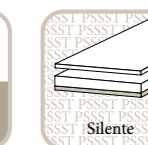
Full-area bonding



Tongue and groove connection



Suitable for use with floor heating



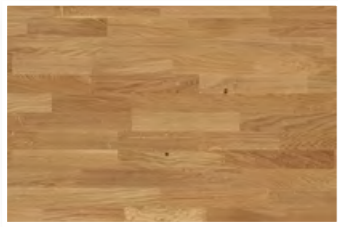
With Silente-Mat

# PRODUCT OVERVIEW

## Multipark Silente

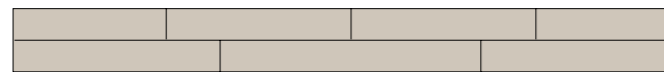
### WOOD TYPE, COLOUR, STRUCTURE & SURFACE TREATMENT

The new Multipark Silente product is made from oak and the Silente ambient and impact sound insulation layer. The Multipark Silente in oak is matt lacquered.



Oak

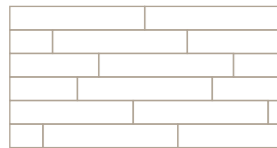
### FORMAT



Multipark Silente: 1200 x 140 x 12.8 mm

### TYPES OF INSTALLATION

As with the existing Multipark products, the Silente products can also be installed in the Shipdeck.

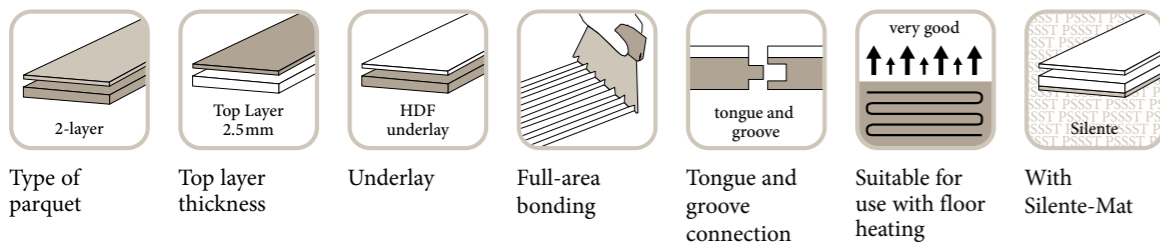


Shipdeck

### YOUR BENEFITS

Multipark Silente boasts an impressive reduction in ambient sound and optimum impact sound insulation. It is ideal for new constructions and in particular for renovations.

### GENERAL PRODUCT INFORMATION



Type of parquet

Top layer thickness

Underlay

Full-area bonding

Tongue and groove connection

Suitable for use with floor heating

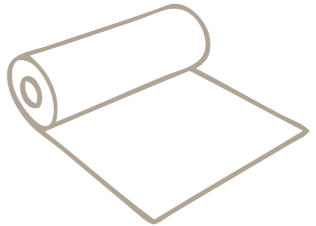
With Silente-Mat

# PRODUCT OVERVIEW

## Silente ambient- and impact sound insulation underlay

### PROPERTIES

The patented Bauwerk Silente ambient and impact sound insulation underlay is designed for both, full-area bonding underneath Bauwerk parquet and for floating installations. All Bauwerk products which are installed with the Silente underlay benefit from improved ambient and impact sound values. Up to 90% of the raw materials used for this high-quality ambient and impact sound insulation system are natural materials.



7500 x 1000 x 3.4 mm

### TEST RESULTS Comparison of ambient and impact sound values

Standardised tests were carried out at three different institutions to measure the ambient and impact sound values. The test institutions and test standards are specified in the following table. The measured values below apply to the Bauwerk Cleverpark and Multipark Silente product groups as well as the Bauwerk Silente ambient and impact sound insulation underlay in combination with the MS40 Plus Bauwerk adhesive.

#### Ambient sound test

Floor covering	Structure	Thickness of top layer	Type of installation	Impact sound material	Reference value	Specimen value	Deviation in dB	Degree of improvement in %
<b>Test design</b>					<b>IHD-Dresden IHD-W-431</b>			
Laminate		7 mm	floated	PE foam	75.2 dB			
Parquet	2 layer	9.5 mm	Bonded, MS40 Plus	BW-Silente		64.4 dB	-10.8 dB	53%
<b>Test design</b>					<b>EMPA EN- ISO 16205</b>			
Concrete/stone					92 dB			
Parquet	2 layer	9.5 mm	Bonded, MS40 Plus	BW-Silente		85 dB	-7 dB	37%

#### Impact sound test

Floor covering	Structure	Thickness of top layer	Type of installation	Impact sound material	Reference value	Specimen value	Deviation in dB
<b>Test design</b>					<b>ÖTI-EN 10140</b>		
Concrete/stone							
Parquet	2 layer	9.5 mm	Bonded, MS40 Plus	BW-Silente			-15 dB
<b>Test design</b>					<b>EMPA EN- ISO 10140</b>		
Concrete/stone					78 dB		
Parquet	2 layer	9.5 mm	Bonded, MS40 Plus	BW-Silente		63 dB	-15 dB

### FAQ'S PRODUCTS

#### How are the Silente products installed?

- › Cleverpark and Multipark Silente must be bonded over the entire substrate with MS40 Plus.
- › Installation instructions can be found under the Login section at [www.bauwerk.com](http://www.bauwerk.com)

- › Lay out the rolls with the grid lines on top
- › Press the mat down using a carpet roller
- › Apply (with a trowel) the Bauwerk MS40-silane adhesive
- › Install the Bauwerk parquet flooring of your choice
- › Detailed installation instructions are enclosed with each roll

#### How do I bond the rolls?

- › Always crosswise to the running direction of the parquet
- › Apply (with a trowel) the Bauwerk MS40-silane adhesive in roll-width

#### Where can Silente products be used?

- › In both commercial and residential properties

# CRADLE TO CRADLE®

*Cradle to Cradle Certified™ gold and bronze*

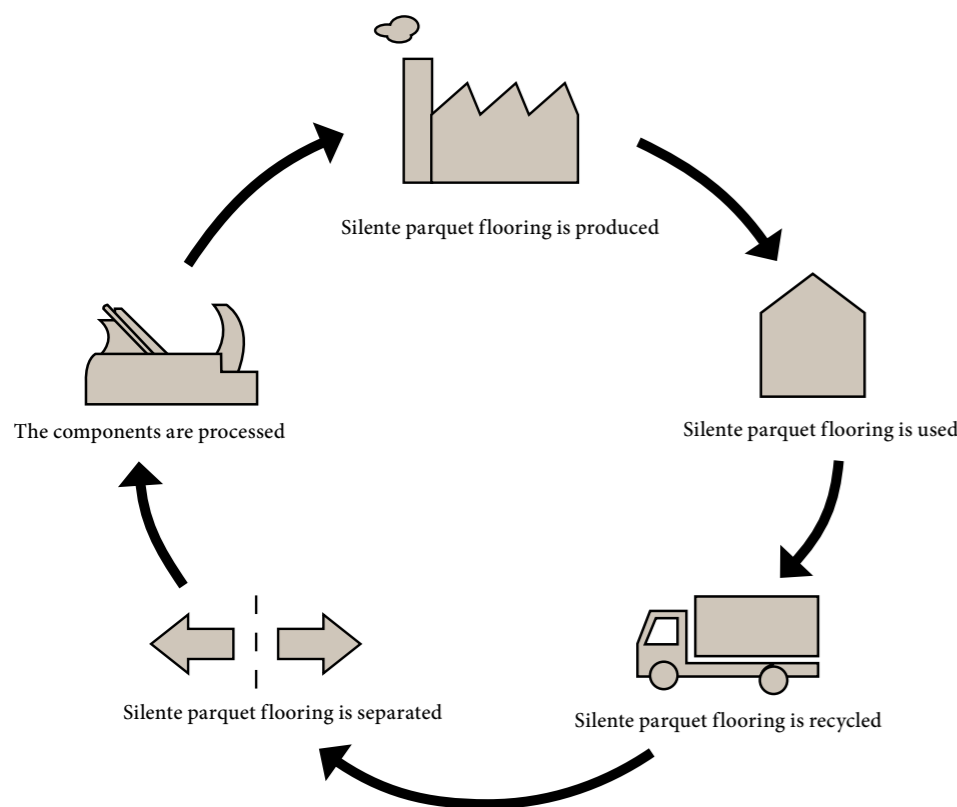
Bauwerk is the first and only wooden floor manufacturer to have been awarded the Cradle to Cradle Certified™ Gold certificate for its Silente products. Thanks to production optimisation at the St. Margrethen plant, all products made in this factory (50% of the entire Bauwerk portfolio) will meet the Cradle to Cradle Certified™ Bronze standard as of 2016.

## Five-stage Cradle to Cradle Certified™ Scorecard

As the name implies, the Cradle to Cradle Certified™ certificate does not begin with the finished product. The comprehensive certification process involves five areas: material health, material reutilisation, energy, water and social responsibility. Depending on the results in these defined areas, certification is awarded in the categories 'basic', 'bronze', 'silver', 'gold' and 'platinum'.

Cradle to Cradle Certified™ thus goes a lot deeper than most other certifications. Accredited experts assess the holistic production process, composition, use and reutilisation of all production components. EPEA Switzerland acts as knowledge trustee in the complex certification process, assessing suppliers' compositions along the entire procurement chain down to the molecular level.

Hence Bauwerk offers architects and home builders more than versatile modern parquet flooring. Bauwerk's Cradle to Cradle Certified™-products guarantee top recoverability, security and the safe knowledge that they contribute to the health of humankind and nature alike.



*Cradle to Cradle® is an innovative, positive and integral sustainability approach based on re-use instead of reduction. Its motto is: 'Waste is food.'*

# FAQ CRADLE TO CRADLE®

## What are the certification levels for Cradle to Cradle Certified™?

There are currently five certification levels: Basic, Bronze, Silver, Gold, Platinum. These are awarded to five quality categories in a very intricate certification process; the lowest rating is then used as the overall score. The certification not only considers ecological and environmentally friendly materials, but also their separation and recycling at the highest possible level. The use of energy, respectively the use of renewable energy is also evaluated, as is the responsible use of drinking water and the treatment of waste water. Finally, the position of the company is evaluated also in its social and business environment. Bauwerk is the only wooden floor manufacturer whose Silente products have been awarded the Cradle to Cradle Certified™ Gold.

## How does the closed-loop cycle of Bauwerk products work?

- › The customer buys parquet flooring, the backside is covered with the patented Silente mat.
- › The flooring is installed and can be used for years.
- › Thanks to the separating layer integrated into the Silente mat, the floor can be dismantled without damage. The residual pieces of the mat and the adhesive are collected on site and recycled.
- › At the Bauwerk factory, the parquet flooring is cleaned and the used surface removed. Subsequently, the floor is lacquered or oiled.
- › This cycle may be repeated several times, depending on the thickness of the top-layer.

## Is all Bauwerk parquet flooring certified?

Thanks to production optimisation, all products manufactured at our St. Margrethen factory will meet the requirements of Cradle to Cradle Certified™ Bronze as of 2016. The certification thus applies to 50 % of the entire Bauwerk product range.

## Because of this certification, the Silente products must be excessively more expensive!

No, Cleverpark Silente and Multipark Silente offer the additional benefit of an excellent reduction in the sound of footfall and optimum sound insulation to the installer and end customer.

This additional benefit necessitates higher production costs which of course are reflected in the sales price. By contrast, the certification itself does not affect the sales price.

## Is Cradle to Cradle Certified™ a national certification?

Cradle to Cradle® is a globally applied concept. Bauwerk's Cradle to Cradle Certified™ award was developed in cooperation with EPEA Switzerland and verified by test institutes that are certified by the Cradle to Cradle Products Innovation Institute.



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# PRODUCT RANGE OVERVIEW

## PARQUET & INSULATION UNDERLAY

Art. No.	Article	Wood type	Colour	Wood index	Surface treatment
1001 9906	Cleverpark Silente	Oak		14	matt lacquered
1001 9907	Cleverpark Silente	Oak	Farina	14	matt lacquered
1001 9908	Cleverpark Silente	Smoked oak		14	matt lacquered
1002 3110	Multipark Silente	Oak		15	matt lacquered

Art. No.	Article	Length	Width	Area	Thickness
1002 1415	Silente ambient- and impact sound insulation underlay	7.50 metre	1 metre	7.5 m <sup>2</sup>	3.4 mm

## HEALTHY LIVING & SUSTAINABILITY

Your health and the environment are important to us.



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**MINERGIE®**  
Member



## LABELS OF COMPETENCE



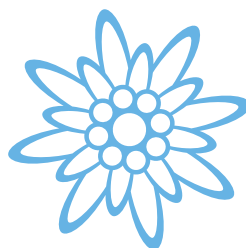
### HEALTHY LIVING

Bauwerk uses healthy materials to manufacture wooden floors that guarantee ultimate well-being in your personal living environment.



### BAUWERK QUALITY

Bauwerk quality guarantees highest standards which are sustained by four pillars: development, production, customer service and floor laying service.



### SWISS TRADITION

Bauwerk, a Swiss company with a long tradition, has been applying its skills, precision and passion to manufacturing top-quality wooden floors since 1935.