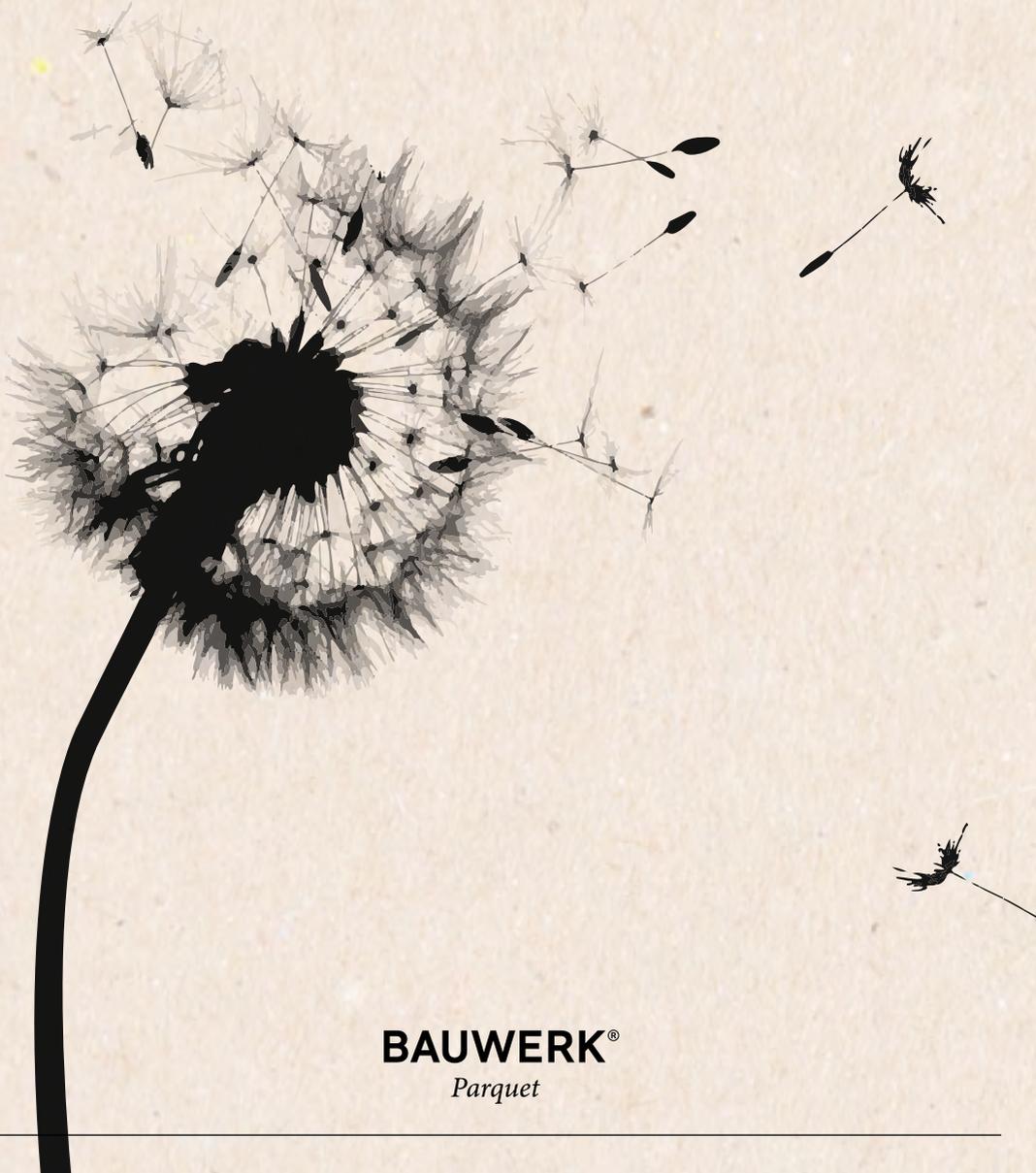

HEALTHY LIVING

invisible but measurable



BAUWERK®
Parquet

GUARANTEED HEALTHY LIVING



Bauwerk's 'Healthy Living' mark of distinction makes a significant contribution to your quality of life. Once you take a conscious decision in favour of healthy building materials, you have taken a big step towards personal well-being in your home.

Guaranteed healthy living

Thanks to its Sentinel Haus and Cradle to Cradle® certification, Bauwerk can offer home builders and their families a unique guarantee: Bauwerk products will never have a negative impact on their health. Bauwerk thus stands for a beneficial, healthy atmosphere in your home.

Why this is important

We spend 80 to 90 percent of our lives in closed rooms, breathing in 10 to 20 cubic metres of air per day. Although airtight building envelopes make sense in terms of energy, ventilation is so far reduced that harmful substances may collect from a variety of sources. Approved building products are therefore an absolute must if we want to ensure a healthy room atmosphere. Together with the Sentinel Haus Institut, Bauwerk has been testing its products since 2010.

Harmful ambient air:
This problem can be solved by choosing the right building products



Uninsulated buildings (past):
Permeable building envelope*



Insulated buildings:
Airtight building envelope* interior design with conventional materials



Insulated buildings:
Airtight building envelope* interior design with reduced-emission materials

- Building envelope
- Insulation
- Conventional building materials
- Emission-optimised building materials
- ≡ ventilation system

* Building envelope = all exterior surfaces including facade, basement, roof, windows, doors

Source: Sentinel Haus Institut

Is parquet healthy per se?

No. Although wood is a natural, renewable raw material, the manufacture of parquet involves glues, varnishes and oils. All materials used by Bauwerk meet the highest standards and are regularly tested by independent institutions in different countries.

Innovative sound reduction

Our ears perceive intrusive sounds or fast changes in sound levels as noise. Glued parquet substantially reduces footfall sounds. Bauwerk's Silente technology is an innovative system solution that reduces footfall and impact sounds even further, an effect that is particularly sought-after in renovation projects.

Disturbing odours

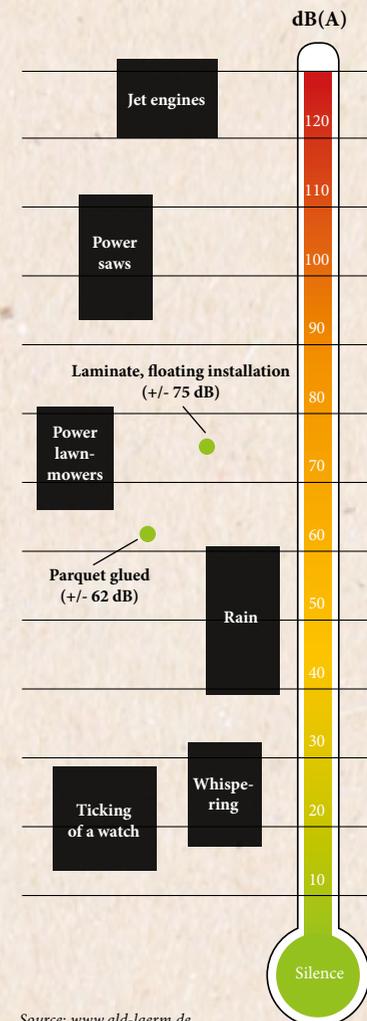
Odours in buildings, especially those which occupants perceive as disturbing, may have many different sources, among them building materials such as paints, varnishes, wooden materials, glues and insulation materials used during the construction or renovation of buildings. Fixtures and fittings, for instance furniture or office equipment, affect the emergence of odours. Bauwerk parquet has no smell and rooms can be used immediately after its installation.

Invisible but measurable

High health standards in homes are not reached by accident, they can be planned and measured. Aside from pollutant-free ambient air and pleasant acoustics, parquet has further plus points: there is no static charge, it feels warm under cold feet and it remains pleasantly cool on hot summer days.

Noise thermometer

Everyday sounds



Source: www.ald-laerm.de

HEALTHY LIVING

involves many aspects

we spend
80 to 90%
of our lives in closed rooms



TIPS

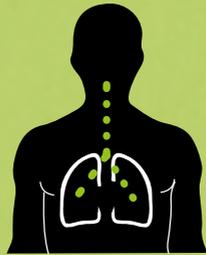
for a perfect ambient climate

Humans and parquet floors feel most comfortable in the same climatic conditions: the temperature should be between 20° and 22°C and air humidity between 30 to 65%. These are the optimum conditions to ensure your well-being in your home. Wood tangibly improves the perceptible ambient climate.

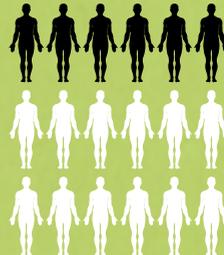
- › The optimum room temperature is 20° to 22°C.
- › Relative humidity should not decline below 30%, even in winter.
- › In the winter months, or the heating period, we recommend airing your flat intensively for a short period of time. 5-15 minutes are sufficient. The lower the external temperature, the shorter the airing.
- › We recommend installing additional sources of humidity during the heating period, such as indoor plants or humidifiers.



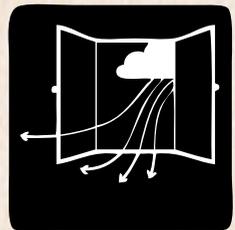
only **28%**
of all people air their rooms
properly in winter



we take an average of
Ø 20'000
breaths of air a day



1/3
of all Europeans have
asthma or allergies



INVISIBLE BUT MEASUREABLE

Bauwerk parquet flooring has been tested by independent, qualified institutes to determine its health properties and has successfully passed the strict Eco-Institut criteria, including those applying to building assessments by the Sentinel Haus Institut, DGNB or Leed. The respective threshold values are substantially lower and more extensive than those required for general building authority approval or quality labels for other floor coverings, as can be seen in the following table:

Parameter	DIBt/AgBB 2015*	Eco-INSTITUT label
TVOC after 3 days	10 mg/m ³	3 mg/m ³ (=3000µg/m ³)
TVOC after 28 days	1 mg/m ³	0,3 mg/m ³ (=300µg/m ³)
Formaldehyde	0,12mg/m ³	0,036mg/m ³ (=36 µg/m ³)
after 28 days	0.12mg/m ³	0,036mg/m ³ (=36 µg/m ³)
Ammonia	0.1 mg/m ³ (=149µg/m ³)	100µg/m ³
Individual substances - reference values for interior spaces	No	Yes
Material tests	No	Yes
Odour test	No	Yes
Phthalate softening agents	Generally allowed	Generally prohibited
Halogen compounds	No specific requirements	Generally prohibited

*Switzerland is following the European standards.

The online database of the Sentinel Haus Institut provides an overview of all emission-tested building materials as well as information regarding their health properties (www.sentinel-haus.eu).

CRADLE TO CRADLE®

Bauwerk
awarded gold
and bronze
certification



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

Bauwerk is the only wooden floor manufacturer to have been awarded the Cradle to Cradle Certified™ Gold for all Silente products. On top of this, Bauwerk Parquet is the only company worldwide with an entire Cradle to Cradle®-certified production site. 67% of all Bauwerk products are manufactured in St.Margrethen, Switzerland.

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.

We care for

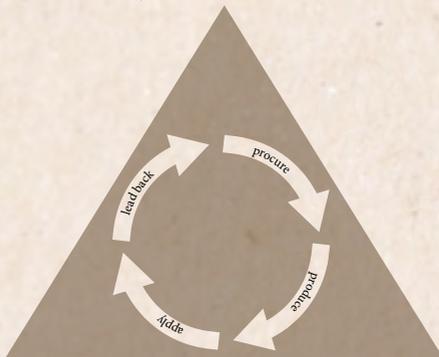
MAN AND NATURE

“Symbiosis between man and nature” stands for responsible economic operations. People who work with wood develop a special feeling for a responsible approach to nature. Based on the concept of a symbiosis between man and nature, Bauwerk is constantly working to improve its performance in the fields of ecological responsibility, healthy living and social ethics. This includes:

- › *the exclusive use of wood and materials that are renewable and manufactured in sustainable processes*
- › *the avoidance of pollutants in the entire process – from forest to living room*
- › *fair partnerships with customers, suppliers and their subcontractors and assumption of social responsibility*
- › *responsible and reliable partnerships with our staff*
- › *manufacture of top-quality parquet floors and healthy (natural, quiet and controlled) accessories.*



SOCIAL ETHICS



ENVIRONMENTAL RESPONSIBILITY