



BREEAM

Junckers
Solid hardwood floors


JUNCKERS
Walking on Danish design

JUNCKERS.CO.UK

JOIN THE COLLAB WITH NATURE

TRANSPARENCY AND TRACEABILITY

Manufacturing with a focus on environmental responsibility has been part of Junckers' DNA since 1930. We are constantly striving to improve the scope and quality of the documentation we provide to show clients and designers the unrivalled sustainability of our solid hardwood floors.

As a company, we have a clear policy to create transparency and traceability throughout all areas of operation. Improving the way we work, how we use raw material, how we manufacture, how we handle waste and how we seek to increase circularity is an ever-evolving project. In addition, we actively seek opportunities to include the most relevant and up to date documentation.

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SUSTAINABLE FLOORS FOR SUSTAINABLE BUILDINGS

Junckers 22 mm solid hardwood floors have a generic LCA summary rating of A+ in the BRE Global Green Guide specification for hard floor finishes, shown as element number 821580002. However, there are many specific ways in which Junckers floors can provide credits for assessments under the BREEAM International New Construction Version 6 certification scheme for sustainable buildings. This brochure will show you a brief overview of how our floors contribute. Please find supporting documentation including certification [here](#).

In partnership with architectural and engineering consultants Rambøll, we have mapped the impact of our flooring on global warming potential (GWP), biodiversity, the environment, indoor climate, user-friendliness, durability, and recyclability. As a result, we are proud to provide product-specific Environmental Product Declarations (EPDs) and we aim to simplify the process of selecting flooring by providing a variety of systematically structured BREEAM documentation, as described below.

JUNCKERS WOOD FLOORS
POSITIVELY IMPACT A
NUMBER OF BREEAM
CRITERIA





BREEAM

MAIN AREAS IN BREEAM

A BREEAM assessment is based upon nine main areas, which are weighted differently in the overall assessment.

Figure 1 shows the weighting of each area as a percentage. Under each area there are several sub-criteria. Junckers' wood flooring can positively influence a number of these criteria.

In addition to the nine main areas, the BREEAM method classifies buildings into seven different types: residential, office, industrial, retail, residential institution (long-term stay), hotels and residential institution (short term stay).

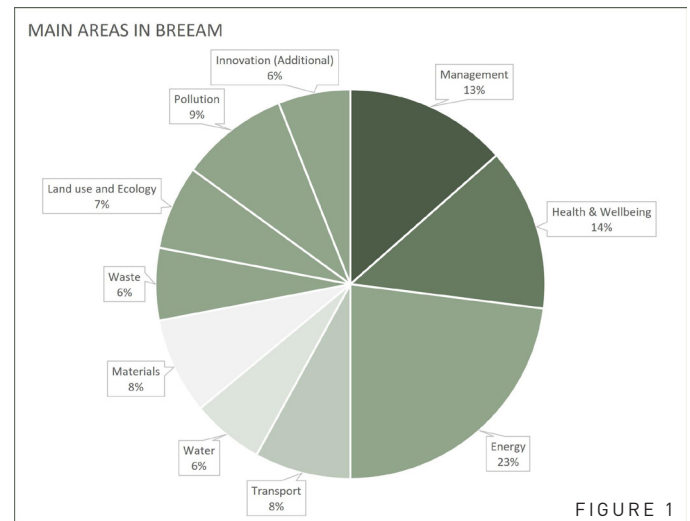


FIGURE 1

JUNCKERS FLOORS IMPACT ELEVEN BREEAM CRITERIA

The sub-criteria are weighted slightly differently depending on the type of building, and therefore the impact of Junckers wood flooring varies between building types.

Figure 2 illustrates the eleven sub-criteria to which Junckers solid hardwood flooring can contribute directly or indirectly through our product documentation.

In the BREEAM system, these eleven sub-criteria account for 29-31 credits out of a possible 146-155 credits, depending on the building type. Junckers floors are included as a subset of the total material consumption in the building.

JUNCKERS FLOORS' CONTRIBUTION TO BREEAM ASSESSMENT CRITERIA									
	Criteria	Name	Residential	Office	Industrial	Retail	Education	Residential institution (long term stay)	Hotels & Residential institution (short term stay)
MANAGEMENT	Man 02	Life cycle cost and service life planning*	1-4	1-4	1-4	1-4	1-4	1-4	1-4
	Man 03	Responsible construction practices	1-6	1-6	1-6	1-6	1-6	1-6	1-6
	Man 04	Commissioning and handover	1-4	1-4	1-4	1-4	1-4	1-4	1-4
HEALTH AND WELLBEING	Hea 02	Indoor air quality	1-5	1-5	1-5	1-5	1-5	1-5	1-5
	Hea 05	Acoustic performance	1-4	1-2	1-2	1-2	1-2	1-4	1-2
MATERIALS	Mat 01	Life cycle impacts	1-6	1-6	1-6	1-6	1-6	1-6	1-6
	Mat 03	Responsible sourcing of construction products	1-4	1-4	1-4	1-4	1-4	1-4	1-4
	Mat 05	Designing for durability and resilience	1	1	1	1	1	1	1
	Mat 06	Material efficiency*	1	1	1	1	1	1	1
WASTE	Wst 01	Construction waste management	1-3	1-3	1-3	1-3	1-3	1-3	1-3
	Wst 06	Functional adaptability	-	1	1	1	1	-	-
	Total possible credits Junckers can influence		33	32	29	32	32	33	31

*Criteria when Junckers does not contribute directly to the required documentation and therefore will not achieve credits, but our products still have an indirect impact.

FIGURE 2

JUNCKERS FLOORS HAVE A POSITIVE IMPACT UPON BREEAM ASSEMENTS

Figure 3 provides an example of how Junckers solid hardwood flooring contributes to the main BREEAM areas in relation to office buildings.

The BREEAM standard includes several areas not directly affected by choice of flooring in the building. However, there is no doubt Junckers floors have a significant impact in the categories where material choice is important.

In the **Management** category, it is the floors' robustness, lifespan and Junckers' warranty scheme that provides 7 out of a possible 14 percentage points.

For **Health and Wellbeing**, the impact of Junckers flooring upon indoor air quality and acoustic properties impacts 5 out of a possible 14 percentage points.

In the **Materials** category the influence is largely due to our Life Cycle Assessments provided through product specific Environmental Product Declarations (EPDs). Junckers can also supply either FSC® or PEFC certified wood, depending on the floor type. This results in an impact of 7% out of a possible 8 percentage points.

Finally, the **Waste** category, where the impact comes from the excellent recyclability of Junckers flooring. Our floors achieve a 3% contribution from a possible 6 percentage points.

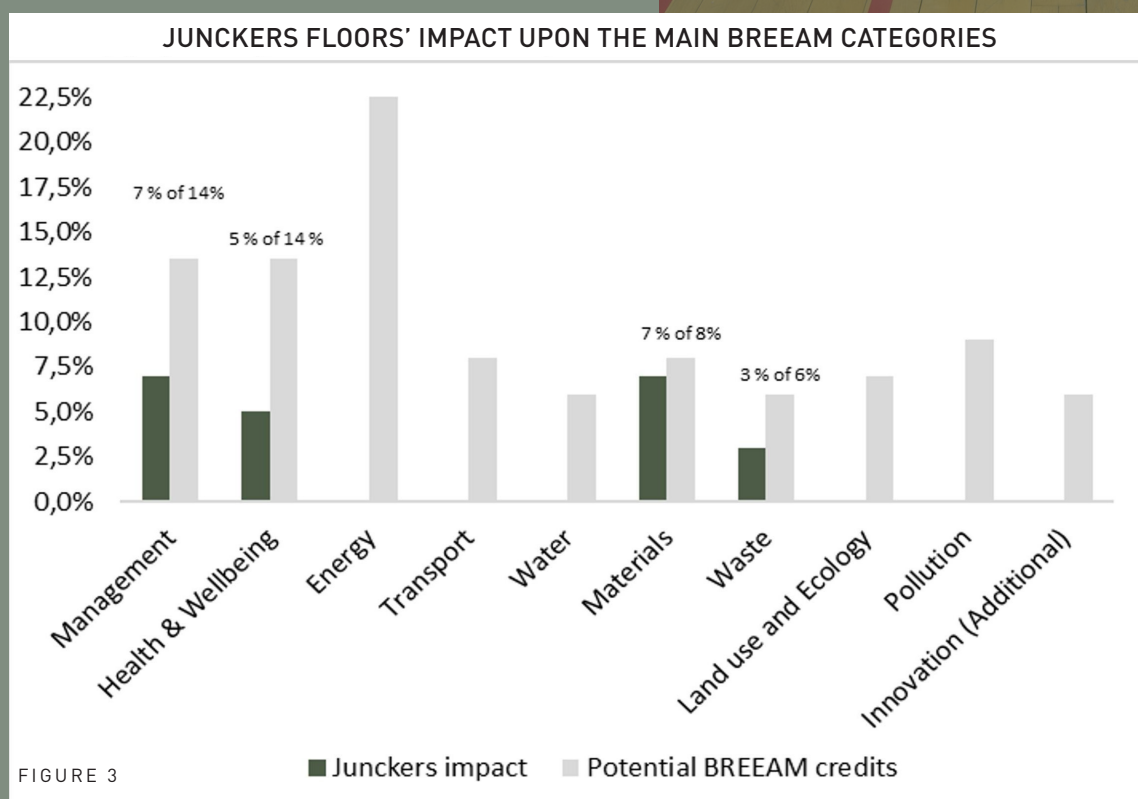


FIGURE 3

WHOLE LIFE VALUE THROUGH LONGEVITY AND COST-EFFECTIVE MAINTENANCE

By taking a closer look at the **Management** category, where longevity and durability of materials are heavily weighted, you will see that Junckers solid hardwood flooring has all the characteristics that provide durability and a long service life. The choice of wood species and type of floorboard (i.e., solid boards or engineered) is crucial to the lifespan of a wooden floor. At Junckers we only produce 100% solid hardwood floors in beech, ash, maple and oak. There are no hidden layers in the floor where quality is compromised as can be seen with other types of wooden floors.

A further aspect of sustainability and lifespan is the way the floor is maintained. Junckers offers a care scheme which includes a warranty in partnership with Junckers Approved Contractors network. The care scheme offers the client, specifier, and builder the assurance that the floor has been fitted correctly, the product is the highest quality and long-term maintenance will be carried out correctly by a Junckers Approved Flooring Contractor. With the right care scheme, a Junckers floor can last more than 60 years, which is in fact also the anticipated lifespan of the building under the BREEAM assessment method.

MAINTENANCE COSTS

The best way to extend the life of the floor and keep maintenance costs to a minimum is to keep the oiled or lacquered surface in good condition by re-applying the surface finish before it wears down to bare wood. Junckers manufactures its own range of floor cleaning and maintenance products, specifically designed for use on timber floors.

We always recommend the client or building manager establishes a floor inspection policy in partnership with a Junckers Approved Maintenance Contractor to ensure that the surface is refreshed at intervals appropriate to the amount of foot traffic the floor receives.

EXTEND THE LIFE OF THE FLOOR

Refinishing is carried out by carefully abrading the floor surface and then applying a maintenance coat of oil or lacquer. In the longer term the floor can be refurbished by sanding it back to bare wood and re-treating it. This can be done multiple times during the floor's life and is key to its longevity. If the floor should suffer localised surface damage it can easily be repaired.

A SOLID WOOD FLOOR CAN BE FULLY SANDED MANY TIMES

Full sanding removes on average 0.5 mm of wood from the floors surface, which means that a 14 mm solid wood floor can be fully sanded 5 times, a 22 mm solid floor 8 times. A 15 mm plank floor can be fully sanded 5 times and a 20.5 mm plank floor 7 times.

It also gives you great freedom if you want to completely renovate the floor at shorter intervals, for example, if you want to apply a colouring treatment or if the floor has had an unusual amount of surface damage or staining.

PRODUCT-SPECIFIC EPDS



As part of our commitment to offer independently verified and transparent sustainability information we provide product specific Environmental Product Declarations (EPDs). This tool allows you to make informed material choices.

In the **Materials** category, the EPD is used to perform a 60 year BREEAM Life Cycle Assessment (LCA).

Junckers' EPDs are produced in accordance with European standard EN 15804 and verified according to ISO 14025. The declarations are independently verified by a third party and registered with EPD Denmark.

ARE YOU A CONSULTANT OR AUDITOR?

If you are a consultant or auditor working on a specific project, supporting documents including certification are available.

Find it [here](#) or contact us at sales@junckers.co.uk or tel. +44 1376 534700



SOLID HARDWOOD FLOORS - A SUSTAINABLE CHOICE

CERTIFIED WOOD

We only use wood from forests managed in a sustainable and environmentally responsible way. Planting new trees as old ones are cut down is one of the characteristics of sustainable forestry.

To protect the climate, we strive to use wood harvested as close as possible to our factory. This is why our raw wood is mainly sourced from forest areas in Denmark, Sweden, Germany and Poland. Junckers achieved chain of custody certification in 2006 and has since been able to offer PEFC certified products. In 2010, we also achieved certification under the FSC® scheme.



Ask Junckers for FSC®
certified products

INDOOR CLIMATE

Junckers has a wide range of wood flooring and woodcare products that carry the Danish Indoor Climate Label. The Indoor Climate Label is your guarantee that the products do not have odours or chemical substances that can adversely affect the air quality in the room.



UN GLOBAL COMPACT

Junckers has been a member of the UN Global Compact since 2011, committing to support and respect principles and values in the areas of human rights, labour rights, environmental protection and anti-corruption.

WE SUPPORT



SCIENCE BASED TARGETS-INITIATIVE (SBTi)

To support our ambition to set targets to reduce our organisation's direct and indirect contribution to greenhouse gas emissions, we have joined the Science Based Targets initiative.

SBTi focuses on close collaboration between companies and climate experts to ensure that member organisations' climate targets are aligned with what the latest climate science deems necessary to meet the goals of the Paris Agreement. The goal of the Paris Agreement is to limit global warming to below 2°C above pre-industrial revolution levels and preferably to 1.5°C.



DID YOU KNOW

BY 2050, WE WILL
NEED 3.5 TIMES
THE EARTH'S
RESOURCES

if we continue to spend
resources on construction at the
rate we do now.

Source: Teknologisk Institut



A JUNKERS FLOOR CAN BE REUSED

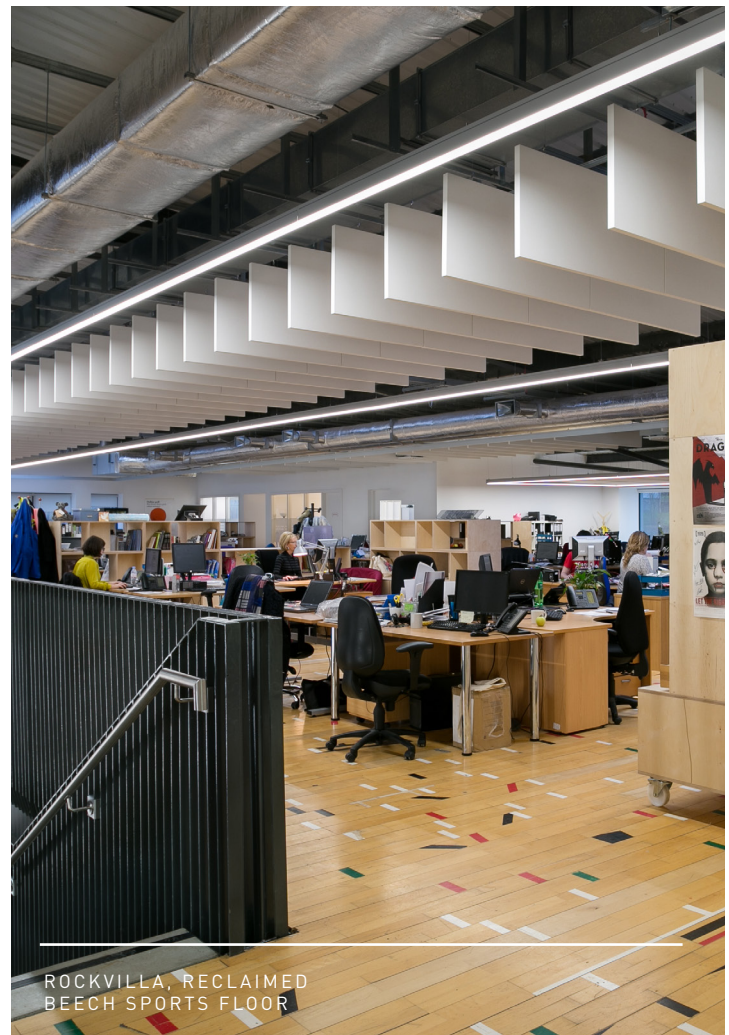
In the Waste category, BREEAM encourages measures to accommodate future changes of use throughout the life of the building.

Here Junckers solid hardwood floors contribute to multi-functional building designs, being adaptable in the event of refurbishment or change of use as they can be dismantled, reused and recycled. Our floors can also be used in the production of new wood-based building materials.

We are constantly striving to find ways to recycle our floors, thereby contributing to the circular economy. We have launched a new initiative to make it easier to source a reclaimed Junckers floor.

Our Reuse Scheme connects flooring contractors who are replacing a Junckers floor with a specialist reclaimed flooring company that will lift the floor, restore it if required, and sell it on to new premises. We also connect architects, designers, and residential customers looking for a reclaimed floor by putting them in touch with companies holding stock of our reclaimed floors.

When the reclaimed floor is installed in its new home, it can either be left in its original state or it can be sanded back to bare wood and surface treated with a lacquer or oil to make the floor look good as new.





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