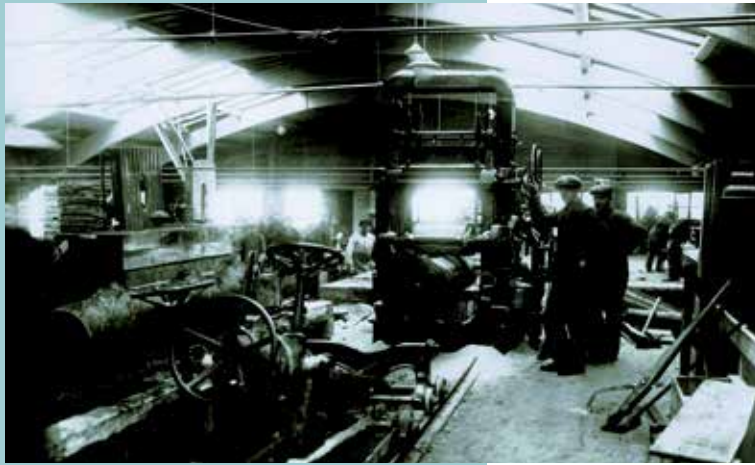




TOTAL SOLUTIONS BY JUNCKERS

Service, Economy & Maintenance



OUR VALUES

There is no substitute for quality. This has been our attitude since we began to produce wooden floors more than 80 years ago. Our floors are produced to be long-lasting and to look beautiful even after many years of everyday use. The processes which are part of the production of our floors are continuously refined and we constantly endeavour to offer the best flooring solutions for building projects at home and abroad. Through the years we have supplied more than 100 million square metres of solid hardwood floors all over the world - most of these floors are still in use today. This is evidence of a good product to the delight and satisfaction of the consumers.

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MORE THAN **100 MILLION**
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SUSTAINABILITY ABOVE ALL

We still manage our company on the old proud traditions introduced in 1930 by our founder, Flemming Juncker. Today we utilise the felled timber 100% and we target our work at initiatives improving environment and environmental consciousness, well beyond statutory requirements.

1930

1940

1950

1960

1970

1980

The first Junckers floor produced.

ENVIRONMENT

For generations Junckers has bought hardwood timber from European forests which are managed according to the stringent legislation of the respective countries. In order to protect nature, we ask for certified timber in the buying process and today we buy approximately 2/3rds of our timber from either PEFC or FSC certified sources. Junckers was Chain-of-Custody certified in 2006 and offers a wide range of certified floors.

In the regions where we buy beech timber new trees are planted to such an extent that the total forest area grows every year. This and the fact that the existing forests thrive are living proof that they are managed with care. Junckers utilises the timber 100% in the production process - nothing is wasted. By-products such as bark, chips and sawdust are used for the production of energy by a local CHP plant which is subsequently used in our production of floors in Køge.

The surplus production of this energy is used in the national Danish grid and thus makes Junckers a CO2 positive company.



FSC and PEFC are independent certification schemes. Both organisations work globally in order to promote legal and sustainable forestry in order to safeguard nature, human beings and resources.

CE LABELLING **CE**

CE labelling safeguards free movability within the European market of products complying with the requirements of EU legislation (e.g. safety, health and environmental protection) and is an important indicator that a product fulfils the demands of the legislation. The CE labelling is placed on the product by the manufacturer. By placing the CE labelling on a product the manufacturer declares themselves solely responsible for the product complying with all statutory requirements applicable in Europe.

INDOOR CLIMATE, ASTHMA AND ALLERGY LABELLING



Junckers' lacquered and oiled floors comply with the regulations for a healthy indoor climate of the Danish Indoor Climate Labelling; Junckers was the first manufacturer in Denmark to receive this approval from the Danish Technological Institute.

WOOD IS HEALTHY

Because mould spores and dust mites cannot find places to hide in the floor, you get a room which is cleaner and healthier than with most other floor types. Furthermore, Junckers' solid floors are produced without using insecticides, e.g. PCP (pentachlorfenol) so you can feel completely safe indoors. Wood is a material with a natural, positive impact on the indoor climate. The temperature in the room is kept fairly constant because the wood itself retains heat. Unlike wall-to-wall carpets and laminate floors, wooden floors minimise static electricity from IT equipment, television screens etc. because wood is a non-conducting material.

1990

2000

2010

2012

EACH PROJECT HAS ITS
OWN PERMANENT JUNCKERS
CONSULTANT WHO IS IN CLOSE
DIALOGUE WITH THE CUSTOMER
BEFORE, DURING AND AFTER
DELIVERY OF THE ORDER.

*Ravnsborgvej
Køge Boligselskab*

WE DARE TAKE UP A CHALLENGE

We know that it is decisive for the success of a building project that delivery times and agreements are always kept.

Confidence in and advice from the supplier are important factors in connection with a major material investment such as for example a solid wooden floor. That is why we have several free services to provide this. Project Service is only one of them. Each project has its own permanent Junckers consultant who is in close dialogue with the customer before, during and after the delivery of the order. Furthermore, we offer professional training in our Floor Academy, for example to architects, dealers, contractors and floor layers, and we have comprehensive expertise both within logistics and technical service at our disposal.

Architect: Sweco Arkitekter
Size of the project: 12,000 m²
Builder: Køge Boligselskab
Time frame: 2011-2012
Number of square metres: Approx. 7,000
Number of flats: 126



MEET THE WOOD AT FLOOR LEVEL

For more than 60 years we have developed and produced our own woodcare system including a complete range of products for treating and maintaining wooden floors, ceilings and furniture. All products have been thoroughly tested and are easy to work with. A solid wooden floor is an investment for life and it is important to give it the proper treatment so that it remains beautiful for many years.



Ravnsborgvej / Køge Boligselskab

TOTAL COSTS

Compared to an engineered floor, the investment in a solid wooden floor will pay for itself in a few years.

A solid wooden floor can be sanded several times and therefore has a long life whereas an engineered floor can only be sanded a few times.

An engineered floor consists of several layers glued together and changing moisture absorption / drying up may weaken the glue joints between wear layer and the intermediate layer which can result in delamination. This is not a risk if you choose solid floor boards.

A SOLID WOODEN FLOOR CAN BE SANDED SEVERAL TIMES AND THEREFORE HAS A LONG LIFE WHEREAS AN ENGINEERED FLOOR CAN ONLY BE SANDED A FEW TIMES BEFORE THE WEAR LAYER IS GONE.



DESIGN

The floor is an important design element in a room. With the right wood species, colour and finish, the floor can create a strong identity in any room. We can deliver your wooden floor in a vast number of wood species, colours, textures and thicknesses. Our floors are available in 3 collections: ORIGINAL, LUXURY and DESIGN - each with its own individual expression. The quality will always be the basis for a beautiful and durable result.

Straightforward authenticity, light and timeless comfort are keys to Junckers ORIGINAL COLLECTION of Nordic hardwoods, beech, ash and oak. These woods blend into classic interiors with natural ease, earned through generations of familiar service. Yet their understated, soft composure equally serves as a pleasing complement to the sharper lines of modern architecture. These floors are classic and confident and will enhance any interior style with their unaffected naturalness.

With a floor from Junckers LUXURY COLLECTION you can indulge in a world of select woods, sumptuous dark tones and a through-and-through elegant feel. The warm hues and lavish extra plank widths will add unflustered weight to any room, yet carry it in their own right. White walls and ceilings rise from the floor. Furniture becomes an added bonus.

Enjoy, give in, surrender, these floors are bound to make you feel great.

Junckers DESIGN COLLECTION gives you the ultimate design freedom to create a floor which completes your personal design vision and amplifies the total experience of your living space. Delve into the possibilities and bring your floor into play with a surprising finish, glow, surface reflection, texture, tone or colour. You create the floor - the floor creates the room.

See all our wood species and collections at www.junckers.com.



THE FLOOR CREATES THE ROOM - YOU CREATE THE FLOOR

QUALITY



FLEMMING JUNCKER'S FIRST CUT QUALITY IS:

- ✓ Junckers' product range
- ✓ Solid wood - the real thing
- ✓ Possibilities of configuration
- ✓ Produced in Denmark
- ✓ Knowledge has been built up during the last 80 years
- ✓ Always high-quality products
- ✓ Outstanding technical properties
- ✓ Products controlled and qualified on more than 10 different parameters
- ✓ CO2 positive energy for the parquet production is 100% based on biomass
- ✓ Full range of maintenance and woodcare products
- ✓ CE approved
- ✓ Certified according to the Danish Indoor Climate Labelling from the Danish Technological Institute
- ✓ Design solutions with FSC or PEFC certified timber only (Merbau - VLO certified)
- ✓ Our floors are delivered prefinished with oil or lacquer, ready for use
- ✓ Different surfaces to choose from

PROJECT SERVICE

JUNCKERS' PROJECT SERVICE INCLUDES:

- ✓ Permanent contact person attached to each project
- ✓ Inspiration for solution of the architect's detailed specification
- ✓ Supply of customised technical material regarding the individual project
- ✓ Guidance for laying the reference floor
- ✓ Control of relative humidity of the air
- ✓ Check lists for reception and process control
- ✓ Training of the persons responsible for maintenance
- ✓ Preparation of operation and maintenance plan in cooperation with Junckers' representative



Vejleåparken, Ishøj

OPERATION AND MAINTENANCE

WITH JUNCKERS WOODCARE SYSTEM YOU CAN GIVE THE FLOOR WHATEVER APPEARANCE YOU WISH

Wood is a living material which becomes more beautiful every year. That is why it is very important to use the right products. When you use Junckers Woodcare System, you are sure that you give your wooden floors care and maintenance with products from a producer of lacquers and oils with more 50 years' experience.

The future maintenance is easily solved with Junckers Woodcare System. Junckers SylvaCleaner for daily cleaning and when the floor needs to be freshened up, it can be treated with one of Junckers lacquers or oils. After years of wear you may choose to machine sand your floor and treat it as new wood with the chosen Junckers product. Machine sanding can be made several times which gives the floor a long life.

A CORRECT TREATMENT IS:

Light sanding: Sanding with grain 120-150 followed by
1 coat of Junckers water-based lacquer

Floors sanded to bare wood: 1 coat of Junckers PreLak, screening with grain 120-150,
2 coats of Junckers water-based lacquer.

Or priming with clear/coloured oil according to Junckers' instructions. After a minimum of 24 hours' drying time, apply 2 coats of Junckers water-based lacquer.

Choosing a 2-component lacquer in order to improve the wearability will increase the glue effect significantly and can of course not be recommended for common residential use.



WOOD IS
A MATERIAL
WHICH HAS A
NATURAL POSITIVE
IMPACT ON THE
INDOOR CLIMATE

SOLID ADVANTAGES

SOLID VERSUS ENGINEERED

Junckers has more than 80 years' experience as a producer of solid wooden floors. Here are some of the many advantages of using Junckers solid hardwood floors.

All our solid hardwood floors are sealed at the stave ends (reduces risk of permanent moisture damages in the wood such as discolouration and splits). In most cases, Junckers solid hardwood floors have a higher Brinell hardness than engineered floors which typically have an intermediate layer of softer wood than the top veneer which makes them more sensitive to blows and stacking marks. Junckers is the only manufacturer in the world to produce solid hardwood floors in press-dried beech and maple which gives a more hard-wearing and moisture stable board with a longer expected life. Junckers solid hardwood floors are prefinished from the factory with an air-dried lacquer which only requires a light screening before re-lacquering. An engineered floor is typically sealed with an UV lacquer which requires a strong screening before re-lacquering, in most cases to bare wood before a new lacquer can be applied. (An air-drying lacquer minimises the sanding costs. At the same time there is a thicker coat of lacquer to re-lacquer as only a light screening is required). There is no risk of delamination on a solid wooden floor because it is solid throughout as opposed to engineered floors with a thin veneer as wear layer. At the same time Junckers parquet floors are joined with a dovetail tongue eliminating any risk of glue failure. All Junckers floors can be installed on underfloor heating.



22 mm solid parquet



22 mm engineered parquet (3.6 mm)

A solid hardwood floor from Junckers can be sanded many times compared with an engineered floor as engineered floors typically consist of a thin top veneer of 3.6 mm or less (see the illustration above showing a solid board versus an engineered board with 3.6 mm wear layer). At the same time, the back veneer on an engineered board must be considered when focusing on the total carrying capacity. A back veneer of 3 mm requires a distance between battens of maximum 50 cm; a back veneer of 2 mm requires a distance between battens of maximum 46 cm. Junckers solid hardwood floors are basically installed on a distance between battens of 60 cm and, at the same time, additional battens at walls and board ends are not required (reduction of installation time and material consumption).

Another advantage of Junckers solid hardwood floors is that they are available in lengths up to 370 cm.

Engineered floors are usually available in lengths of 210-220 cm. As a new feature, Junckers' floors are now available with an extra coat of lacquer. Our solid hardwood floors can be installed immediately (35-65%RH) as they do not require acclimatisation. Junckers Technical Support is ready to assist you before, during and after the many stages of the building process in order to make sure that the climatic conditions are optimum and that the floors are installed correctly. A comprehensive service report which is used for quality assurance is forwarded after each visit.



PRODUCED IN DENMARK

WHAT JUNCKERS STANDS FOR?

- ✓ **Strong heritage** - we have been in the market with solid hardwood flooring solutions for more than 80 years.
- ✓ **High quality** - our products have excellent technical properties, remain beautiful and have a long life.
- ✓ **Knowledge** - we have a global team of experts covering all aspects of products and solutions and supporting our customers in design, planning, installation, repair and maintenance.
- ✓ **Creativity** - we create exceptional rooms together with our customers by reconsidering the form, the function, the use and the colour of our floors.
- ✓ **Certified raw materials** - we demand legally felled timber. Approximately 2/3rds of our timber is FSC and/or PEFC certified. Our goal is to increase the number of certified suppliers.
- ✓ **Sustainable energy consumption** - the energy we use in our production is 100% based on biomass from residual wood from the production (not fossil fuels). The produced surplus energy is exported to the local environment resulting in positive CO2 accounts.
- ✓ **Global presence** - we have 6 subsidiaries and more than 30 co-operation partners covering all continents.

WHAT DO YOU GET WHEN YOU WORK WITH US?

- ✓ Our products are high quality, they feel and sound right.
- ✓ We support your brand with our design solutions.
- ✓ We offer flexibility in colour, form and expression which can be adapted to your brand.
- ✓ We have a strong global presence - we are where you are.
- ✓ Service - we provide good service and support before, during and after the installation.
- ✓ We can adapt maintenance programmes to match your requirements.
- ✓ Our products have a long life and make it possible to make a new design along the way.

WELL BEGUN

Junckers' Project Service starts when the attached Junckers project consultant and service technician meets with you at the building site approximately three weeks before start-up of the flooring contract. Here you get an overview over the floor contract so that the project can be started according to plan and errors, if any, delays and other price-raising factors relating to the floor laying can be minimised.

You are assured that the floorlayers get the correct guidance in the start-up phase and any questions are clarified from the beginning. You get access to the most competent network of wooden floor experts in the market who assist you in finding the optimal solution before, during and after your project has been finished. In this way, the platform for a healthy and strong quality building is present.

Junckers Project Service ensures the quality in the implementation of the floor contract. With Junckers Project Service we want to focus on the total floor solution which ensures high quality and a better reference value for building owners, architects and contractors. At the same time, Junckers Project Service helps to minimise costs for both main contractor and floor layer. By including the description below in the tender documents you make sure that the platform for a good, healthy and strong quality building is present.

The relative humidity of the air is measured to ensure that it is within the recommended limits before the installation is started.

DURING THE IMPLEMENTATION OF THE FLOOR CONTRACT WE OFFER THE FOLLOWING QUALITY ASSURANCE:

- ✓ Guidance in the implementation of the floor installation
- ✓ Control of distances between battens
- ✓ Control of distances between packing materials
- ✓ Handing over laying instructions
- ✓ Control of installation according to instructions
- ✓ Control of minimum distances from floor to wall
- ✓ Control of 10-board measure



For more information please visit www.junckers.com or send an email to junckers@junckers.dk. If you want to talk with us, you are of course always welcome to contact us on tel +45 7080 3000.

