

# SPORTS FLOORS

for all indoor sports  
and sport facilities

  
**JUNCKERS**

Performing on Danish design

[JUNCKERS.CO.UK](http://JUNCKERS.CO.UK)



# PERFORMING ON DANISH DESIGN

## ABOUT JUNCKERS

Junckers is Europe's leading manufacturer of solid hardwood sports, dance and activity floor systems.

For many decades Junckers has provided systems to meet the wide ranging needs from local community and multi purpose halls, to global landmark venues for Olympic, Commonwealth and professional sport.

Junckers is the only wood floor manufacturer to develop and manufacture its own range of lacquers and oil surface treatments. This means that Junckers Woodcare products are perfectly tailored for use with our floors, so there will be no concerns about "non-compatible" products reacting with one another.

**ALL JUNCKERS'  
WOODEN FLOORS  
AND WOODCARE  
PRODUCTS ARE  
PRODUCED IN  
DENMARK**

**DEVELOPMENT  
AND PRODUCTION  
ARE BASED ON  
SOLID TRADITIONS  
OF DANISH  
CRAFTSMANSHIP**

Junckers' quality and ease of use has made our Woodcare products amongst the most popular wooden floor coating brands in the industry; asked for by name by both clients and contractors.

With Junckers as a professional partner, you are always ensured proper technical service before, during and after a project.

We provide the complete solution and our experience ensures the highest possible quality.

Junckers is represented in more than 30 countries through 7 subsidiaries and a network of distributors and agents. Exports account for two-thirds of the total sales and the products are sold in more than 45 countries worldwide.

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The story of Junckers' beautiful solid hardwood floors began in 1930. It is the story of a passionate and innovative young man, who had a dream of using the forest's resources in the best possible way. Flemming Juncker, son of an estate owner from Southern Jutland, was born in 1904. At 25 he earned a Master of Forestry and established Junckers Sawmill in Køge the following year. To this day, Junckers still uses the same philosophy of resource optimisation. This means that any waste or bi-products, which are difficult to sell, are used in the production of sustainable energy.

## JUNCKERS IS A CO<sub>2</sub> NEUTRAL COMPANY

Despite Junckers is using a considerable amount of energy to dry and process the timber, the company produces more energy than it uses. The production's bi-products such as bark, wood-chips and sawdust are delivered to a local power station, which in return provides electricity and steam to Junckers and electricity and heat to the public Danish electrical grid.

As wood is considered a CO<sub>2</sub>-neutral material, and because Junckers generates more energy than the business itself can consume, the energy surplus is used to produce CO<sub>2</sub>-neutral electricity, which benefits society. That makes Junckers a CO<sub>2</sub>-neutral company!

## CERTIFIED TIMBER PEFC™ AND FSC®

At Junckers we believe in sustainability and support initiatives that improve environmental awareness. We hold Chain of Custody PEFC™ and FSC® certificates. A Chain of Custody certificate enables the wood to be tracked from the finished floor back to the forest.

PEFC™ and FSC® are organisations that manage forestry to protect nature, wildlife and people.



The mark of  
responsible forestry



Ask Junckers for FSC®  
certified products

## PRODUCT QUALITY

Junckers' product quality management system forms the basis of the company's CE marking of timber floors according to EN 14342, EN 14904 and EU Guidance Paper B and D for CE marking. The quality system is built according to the ISO 9000 series, although this is not monitored by a third party. The system includes employees, production and administrative processes and resources essential to meet the company's quality goals.

## CE – DECLARATION OF PERFORMANCE

Junckers' floors are CE marked, which means that the floors must comply with certain common EU standards in relation to safety, environment and health. A declaration of performance forms the basis for the CE marking, which accurately shows how specific legal requirements are met, for example fire resistance, degassing, compression strength, friction, etc.





# SUSTAINABILITY, ENVIRONMENT & PRODUCT QUALITY

## ISO CERTIFICATIONS

Junckers is certified according to ISO 14001. Additionally, the environmental management system comprises areas such as working environment, as well as energy safety in connection with electrical work (SKS).

## EPD – ENVIRONMENTAL PRODUCT DECLARATION

We know from consultants, developers and architects how important it is to provide transparency and traceability in relation to materials. Therefore, in collaboration with Ramboll, Junckers has completed EPDs, which evaluate the environmental impact of our solid hardwood floors, and by this we can contribute to simplifying the work process in the selection of floors for a building to be sustainability certified.

The basis of a Junckers Environmental Product Declaration is a life cycle assessment, which focuses on environmental impacts from the following phases:

- A1: Extraction of raw materials
- A2: Transport of raw materials to factory
- A3: Production

The environmental impact of the floors is thus described from cradle to gate and documents CO<sub>2</sub> footprint, use of energy resources and waste flows. Junckers' EPD's are developed in accordance with the European standard EN 15804 and have been verified in accordance with ISO 14025. Independent verification of the declarations and data have been conducted by COWI A/S and the declarations are registered at EPD Denmark.

## INDOOR CLIMATE BECAUSE WE CARE ABOUT YOUR HEALTH

Junckers has a wide range of wooden floors and woodcare products certified under the Danish Indoor Climate Labelling scheme. A product with this accreditation has undergone extensive degassing and odour tests. This ensures that there are no chemical substances in the floor, which adversely affect the air quality in the room.

## UN GLOBAL COMPACT

Since the establishment of Junckers Industrier, the company's social responsibility has been ingrained in the way we run our business. This is also why Junckers joined the ten principles of the UN GLOBAL COMPACT in 2011 and our progress has been monitored in relation to every single principle in the company's CSR report ever since.







FIBA EUROBASKET 2017

## JUNCKERS SOLID HARDWOOD SPORTS FLOORS

## ALWAYS WITH AREA-ELASTIC PROPERTIES

## PREFERRED BY ATHLETES

All Junckers' sports floors perform with unique area-elastic characteristics providing the ultimate freedom of movement, protection against injury and enables the athlete to perform to the best of their abilities.

Our sports floor solutions are tested and approved in accordance with the European standard EN 14904. The solutions fulfil the requirements of class A3 and A4.

The EN 14904 standard has worldwide recognition and specifies the requirements for safety and performance for a sports floor. The standard divides the sports floors into 4 types:

1. Area-elastic floors: When a point force causes deflection over a relatively large area around the impact point (wood).
2. Point-elastic floors: When a point force causes deflection only at, or close to, the impact point (vinyl).
3. Combi-elastic floors: An area-elastic floor with a point-elastic top layer, a point force will cause both localized deflection and deflection over a wider area (wood/vinyl).
4. Mixed-elastic floors: Point-elastic floor combined with a synthetic material.

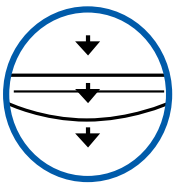
# FLOOR SAFETY AND PERFORMANCE

European Standard EN 14904 relates to both safety and sports technical properties and the most important key factors are described below.



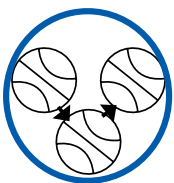
## **SHOCK ABSORPTION**

A shock absorbing floor minimises the risk of injuries. Testing measures the percentage of impact energy absorbed by the floor when landing a jump.



## **VERTICAL DEFORMATION**

The floor's ability to absorb shock depends on its ability to flex when exposed to a dynamic load. Test results display the floor's vertical deformation in mm when exposed to a dynamic impact equivalent to that of light jogging.



## **BALL BOUNCE**

A good ball bounce increases the ball control and the speed of the game. Test results display the rebound achieved by the floor as a percentage of the rebound measured on a concrete floor.



## **FRICTION**

Correct friction is important when ball players move rapidly on the floor, and the ideal friction rating is between 80 and 110. A friction value less than 80 makes the floor too smooth, and above 110 makes the floor too rough.



## **ROLLING LOAD**

The floor's ability to withstand rolling loads is important for example where trolleys and retractable seating are used. Test results display whether the floor can withstand a rolling load of 1,500 N (approx. 150 kgs).

## **JUNCKERS OWN TEST PROGRAMME**

In spite of the good intentions of the European standard, there are no demands concerning strength and durability of a sports floor. Therefore Junckers has chosen to integrate two additional internal tests for evidence of these properties.

## **FATIGUE TEST**

This test is conducted on all Junckers' class A4 floors. The floor is exposed to a series of controlled, dynamic point impacts of 3 kN (approx. 300 kgs) no less than 100,000 times, which efficiently simulates the equivalent of 25 years of normal use.

## **POINT LOAD TESTING**

The demands on the floor's ability to withstand point loads may be increased significantly when the sports floor is used for exhibitions, concerts and major sports events and where retractable seating is moved across the floor.

These demands are simply not considered by the EN Standard. Therefore, Junckers' sports floors undergo rigorous tests in order to ensure durable and versatile floors.

# FREQUENTLY ASKED QUESTIONS

## WHY SPECIFY A JUNKERS SPORTS FLOOR?

### HOW WILL A JUNKERS FLOOR BOARD LAST LONGER THAN OTHER WOOD AND SYNTHETIC FLOORS?

Because there is no thin "wear layer" a Junckers floor may be sanded between eight and ten times. You can sand deeply into the dovetail joint and board strength is unaffected. **Ask us for life span comparisons between our floors and other types. Talk with us about ease of repair.**

### WILL A JUNKERS FLOOR BE STRONG ENOUGH FOR MULTI-SPORT USE?

We carry out our own "fatigue testing" programme, which replicates 25 years of sports use. All our sports floor systems have passed. Our unique drying method also increases the structural strength of the boards. Some engineered floors will break down from the inside and delaminate. **Ask us why this does not happen with Junckers solid floors.**

### WILL WE BE ABLE TO USE RETRACTABLE SEATING ON A JUNKERS FLOOR ?

Yes. We will guarantee our floors for use with retractable seating systems. We have long experience of designing for seating loads whilst retaining the "sprung" quality of the floor. The surface of our boards will not be damaged. **Please talk with our technical department about designing for retractable seating.**

### SHOULD I BE LOOKING FOR THE MOST ABRASION RESISTANT LACQUER FINISH?

You may think so, but a combination of hardness and flexibility is better. We achieve this with a combination of two lacquers. Many other boards will have a low cost "UV cured" lacquer with a distinctive "rippled" texture which may be brittle and difficult to over- coat. Here the client's maintenance costs will be higher and the life of the floor will be shorter.

**Ask about comparing Junckers factory finish with other brands.**

### DO OTHER FLOORS HAVE BETTER WATER RESISTANCE THAN JUNKERS BOARDS?

No. Any wood floor will suffer water damage if it becomes sufficiently wet, and synthetic floors will suffer damage if welded seams fail. Junckers coats the stave ends during manufacture to reduce water penetration. **See our cleaning and maintenance guides.**

### DOES JUNKERS OFFER A WARRANTY ON THEIR FLOORS?



Junckers offers a 25 year warranty, but properly cared for, the life of a Junckers sports floor should easily exceed 60 years. The client can use a Junckers Approved installer so will be confident that the floor has been fitted properly. Many other manufacturers offer 25 year guarantees but not all products last that long. **Speak with Junckers about life cycle cost information and examples of Junckers floors which are many decades old.**



Junckers 22 mm thick, 129 mm wide and 3700 mm long hardwood floor board.



## DO YOU GUARANTEE YOUR SOLID HARDWOOD FLOORS FOR USE WITH UNDERFLOOR HEATING?

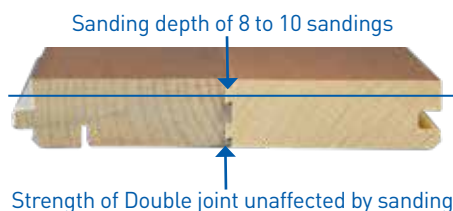
Yes, and we have been doing this for about 30 years. Because of the precise machining and drying methods we use, our floors perform perfectly with many types of UFH. Customers are often pressurised to accept “engineered” floors, but ongoing experience and independent research indicates that some may not be as suitable as first thought. **Talk with Junckers for detailed design advice with underfloor heating, and for reference projects.**

## JUNCKERS FLOORS ARE PART OF THE DANISH TRADITION FOR HIGH QUALITY WOOD PRODUCTS. WHY IS IT IMPORTANT TO HAVE ACCURATELY MACHINED BOARDS?

...Just ask the installer! Poor quality boards are difficult to fit and the end result will often include compromises. They need constant sorting and adjustment. Good quality boards make for a fast installation and a better result for the client. Some quality issues may shorten the life of the floor. **Ask us for samples of our boards and to learn how accurately made boards can benefit your project.**

## WHY IS THE JUNCKERS DOVETAIL JOINT USED?

Unique to Junckers, this gives the board high strength and ensures that eventually, when the floor is sanded the board will not weaken internally. This helps to give the Junckers board a life of eight to ten sandings. **Ask us how this gives a Junckers floor by far the longest lasting sprung sports floor system available.**



## WILL A JUNCKERS SOLID HARDWOOD FLOOR BE STABLE? CAN IT BE LAID IN LARGE AREAS?

Yes. Junckers unique timber drying method and quality control make this possible. Our floors will not warp, or delaminate and expansion and shrinkage is minimal. **Ask us about “press drying” and how we work with the natural movement of the timber.**

Junckers installation methods are adaptable to suit a wide range of conditions and buildings. Other manufacturer’s floors require a highly controlled environment to prevent warping and splitting. **Ask Junckers how the installation method can be adapted to accommodate specific site conditions.**

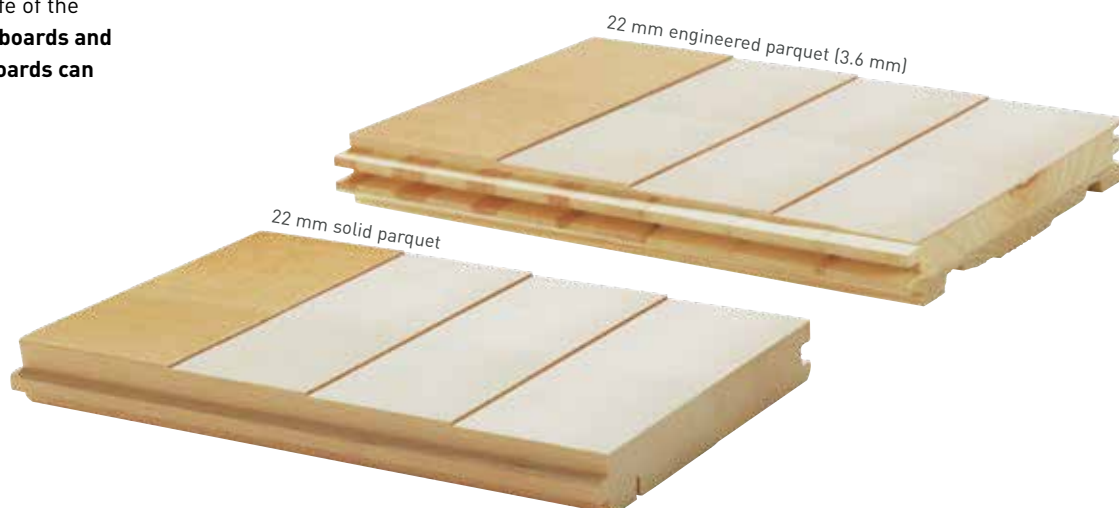
## SOME “JUNCKERS LOOK-ALIKE” FLOORS ARE AVAILABLE. IF THEY ARE MADE FROM THE SAME WOOD, WILL THEY NOT BE JUST AS GOOD?

No. As with many imitations, they are not as good as the original product they are copying.

They will be sealed with brittle UV cured lacquers (see previous questions). Beech floors will not be press dried, so will have lower structural strength and be far less stable.

Oak floors are not suitable for sport because they do not have enough impact resistance.

Hevea wood (Rubber Wood) is very soft, and indents easily. It is not possible to obtain FSC, PEFC or any other environmental certification for this wood because it is planted in areas of rain forest that were cleared to grow rubber plantations.



# FLOOR BOARD RANGE

## BEECH SYLVASPORT

Width: 129 mm

Thickness: 22 mm

Surface: Silk matt and ultra matt lacquer

A floor board with a uniform structure, white to reddish heartwood and a red-brown grain pattern.

A classic and very popular floor.

CHAMPION



PREMIUM



CLUB



## BEECH SYLVAKET

Width: 129 mm

Thickness: 22 mm

Surface: Silk matt and ultra matt lacquer

A beech floor board coloured through its full thickness. Can be sanded without loss of colour.

Adds a warm golden glow.

CHAMPION



PREMIUM



CLUB



## MAPLE

Width: 129 mm

Thickness: 22 mm

Surface: Silk matt and ultra matt lacquer

A floor board with a light colour and a very uniform grain pattern.

A very elegant floor.

CHAMPION



CLUB



## ASH

Width: 129 mm

Thickness: 22 mm

Surface: Silk matt and ultra matt lacquer

A floor board with an elegant, light appearance combined with a characteristic dark grain pattern.

Over time, the natural ageing gives ash a warm and golden glow.

CHAMPION



PREMIUM



CLUB



**CHAMPION:** Uniform look with very little colour and structural graining variation.

**PREMIUM:** Natural look with a more natural range of colour and structural graining variation.

**CLUB:** A rustic look with substantial colour and graining variation.

# FLOOR BOARD RANGE

## DESIGN WITH COLOURS | BEECH HARMONY/PREMIUM

At Junckers, we believe that creativity and a distinctive look contribute to a comfortable atmosphere in smaller group exercise rooms.

Warmer wood tones provide the ideal healing backdrop for wellness centres, yoga and pilates. More vibrant hues can offer the right amount of pizzazz for zumba and other exhilarating activities.

Combine a Junckers sports floor with colour and create a unique expression.

**WHITE BEECH**



Surface: Ultra matt lacquer

**OYSTER GREY**



Surface: Ultra matt lacquer

**TWILIGHT GREY**



Surface: Ultra matt lacquer

**SYLVARED**



Surface: Silk matt and ultra matt lacquer

**DARK COCO**



Surface: Ultra matt lacquer

**SMOOTH RUM**



Surface: Ultra matt lacquer

**SPICY PEPPER**



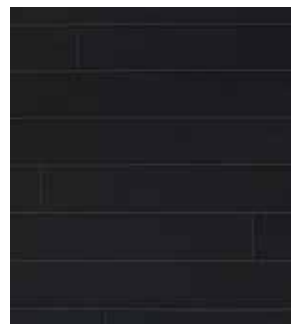
Surface: Ultra matt lacquer

**TENDER OLIVE**



Surface: Ultra matt lacquer

**BLACK OIL**



Surface: Ultra matt lacquer

**RAW SUGAR**



Surface: Ultra matt lacquer

**WILD HAZEL**



Surface: Ultra matt lacquer



# FLOOR BOARD RANGE

## BEECH SYLVASQUASH CHAMPION

In fast games like squash and racket ball a surface with a high degree of friction is essential. For this purpose we offer an unsealed floor board with a slightly roughened 40 grit surface.

This provides the high level of friction required by the sport, while still keeping risk of injury to an absolute minimum.

The squash floor board can also be supplied with one coat of lacquer. This is by many preferred to ease the maintenance of the floor and it does not affect the friction properties.



## BEECH SYLVADANCE CHAMPION

Junckers SylvaDance sports floor creates optimal conditions in facilities where professional dance is performed.

The surface of the floor has friction properties which guarantee a reinforced grip and thus reduces the risk of injury. This provides the dancer optimal security.

These properties are achieved by a final sanding of the floor with sandpaper grit 40 + 2 coats of silk matt 2-component polyurethane lacquer.







THE REGAL, UNITED KINGDOM  
*Sylvasport treated with black oil and HP SPORT lacquer, laid on NewEra Unobat*



COMMONWEALTH GAMES, GLASGOW  
 JUNCKERS PORTABLE FLOOR



GAMMEL HELLERUP GYMNASIUM, DENMARK  
 ASH ON UNOBAT 45



REDBRIDGE, UNITED KINGDOM  
 BADMINTON



NATIONAL CENTRE FOR CIRCUS ARTS, UNITED KINGDOM  
 SYLVATECH ON NEW ERA UNOBAT



# A SOLUTION FOR ALL SPORTS AND SPORT FACILITIES

Junckers has a wide range of portable and fixed floor solutions. The systems always include our 22 mm solid hardwood 2-strip floorboard.

## FIXED FLOOR SOLUTIONS

In this range we have floating and batten based floor solutions with a choice of sub-construction that meets most construction heights and performance requirements.

Total construction height of our floors ranges from 32 mm to 439 mm. We have solutions for flat and uneven sub-floors.

Junckers' floors are designed to be installed in all types of facilities.

*Our floors have been installed in community and school halls, sports centres and large arenas used for international competition such as Commonwealth, Invictus and Olympic Games.*

The flexibility of construction heights also makes our solutions very suitable for any type of refurbishment.

## PORTABLE FLOOR SOLUTIONS

This range consists of prefabricated lightweight panels, fast to assemble and dismantle.

In our portable floor range, you find solutions suitable:

- For long or short time use
- For international tournaments, which require special line-markings
- Over turf surfaces
- Over ice rinks
- Over existing soft or hard floors
- For concerts or fairs

## NAME THE SPORT AND JUNCKERS HAS THE SOLUTION



International  
Handball  
Federation



*Junckers' sports floor solutions - certified by FIBA, WHF, BWF & IHF*



WILLIAM PERKIN SCHOOL UNITED KINGDOM  
EXAM DESKS



CRYSTAL PALACE, UNITED KINGDOM  
RETRACTABLE SEATING



PRIMARY SCHOOL, UNITED KINGDOM  
SYLVASPORT ON CLIP SYSTEM





# CHOOSE THE RIGHT FLOOR SYSTEM

| FIXED FLOOR SYSTEMS   |                   |  |                            |                             |                     |
|-----------------------|-------------------|--|----------------------------|-----------------------------|---------------------|
| CONSTRUCTION HEIGHT   | REQUIRED SUBFLOOR | SUB-CONSTRUCTION   | SYSTEM                     | CLASS ACCORDING TO EN 14904 | FIBA approval level |
| 60 - 439 mm           | Flat or uneven    | New Era Unobat   | Single layer batten system | A4                          | 1                   |
| 120 - 242 mm          | Flat/uneven       | Duobat 120+  | Two layer batten system    | A4                          | 1                   |
| 62 - 209 mm           | Flat/uneven       | Unobat 62+ with J-Lock cradle or adjustable wedge and supporting blocks included | Single layer batten system | A4                          | 1                   |
| 50 mm                 | Flat              | Unobat 50  | Single layer batten system | A4                          | 1                   |
| 45 mm                 | Flat              | Unobat 45  | Single layer batten system | A4                          | 1                   |
| 52 mm, 67 mm or 79 mm | Flat              | BluBAT 52, 67, 79  | Single layer batten system | A3                          | 2*                  |
| 32 mm                 | Flat              | Clip, 10 mm foam   | Floating system            | A3                          | -                   |
| 37 mm                 | Flat              | Clip, 15 mm foam   | Floating system            | A3                          | 2                   |

\*Blubat 52

| PORTABLE FLOOR SYSTEMS |                   |                 |                            |                             |                     |
|------------------------|-------------------|-----------------|----------------------------|-----------------------------|---------------------|
| CONSTRUCTION HEIGHT    | REQUIRED SUBFLOOR | PRODUCT         | SYSTEM                     | CLASS ACCORDING TO EN 14904 | FIBA approval level |
| 44 mm                  | Flat              | Pro Complete 44 | Single layer batten system | A4                          | 1                   |
| 49 mm / 34 mm on turf  | Flat              | Arena Master    | Floating system            | A3                          | 2                   |
| 32 mm                  | Flat              | A3 Portable     | Floating system            | A3                          | -                   |

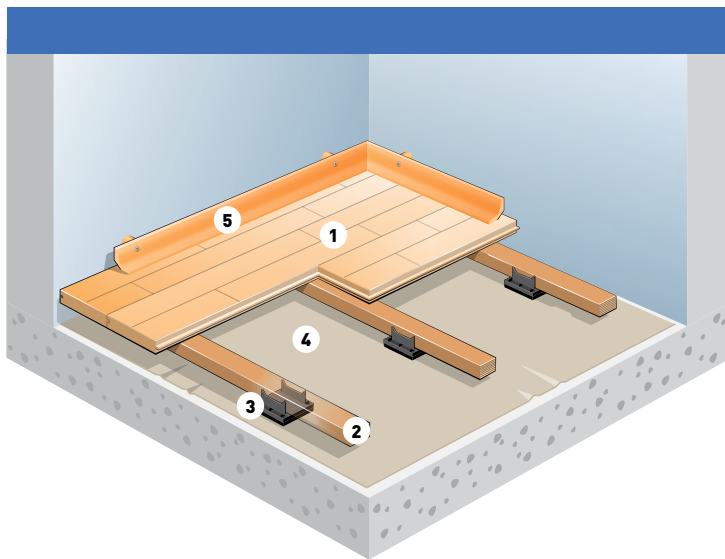
# NEW ERA UNOBAT



Polypropylene cradles with 10mm foam

## SYSTEM COMPONENTS

1. 22 x 129 x 3700 mm floorboards
2. New Era battens:  
36 mm, 48 mm or 63 mm high  
by 45 mm wide
3. Polypropylene cradles with  
10mm foam
4. Sylvathene moisture barrier
5. Junckers Combi Skirting



The New Era Unobat system is a high quality levelling system which can be installed over an uneven sub-floor. This system incorporates a black evazote foam rubber base which helps to achieve the higher A4 category of the European standard.

The system comprises 22 mm Junckers solid hardwood boards, secretly nailed to kiln dried softwood battens, which are supported by strong polypropylene cradles.

Fine levelling of the system is done using purpose made packing pieces, placed between the battens and the cradles. The height range of the system varies between 60 mm and 439 mm. Choice of batten centres depends on requirements as to sports performance and loading capacity.

## FACTS

|                                  |  |
|----------------------------------|--|
| Construction height              | From 60 mm to 439 mm   |
| Required subfloor                | Flat/uneven  |
| Performance                      | Area-elastic according to EN 14904 class A4 [A3 for 63 mm battens] |
| Floorboard type                  | Prefinished 22 mm 2-strip solid hardwood                           |
| Subconstruction                  | Single layer batten system   |
| Junckers 25 years fatigue test   | ✓  |
| Sanding and re-sealing           | Yes to bare wood 8-10 times  |
| Suitable for underfloor heating  | Yes  |
| Suitable for retractable seating | Yes <sup>1</sup>   |

1) Junckers floor systems may be strengthened for use with retractable seating and similar high loads. Contact Junckers Technical dept. for information.

|                      | Requirements EN 14904:A4    | Test results                  |
|----------------------|-----------------------------|-------------------------------|
| Shock absorption     | $\geq 55 < 75 \%$           | 65 %                          |
| Vertical deformation | $\geq 2.3 < 5.0 \text{ mm}$ | 2.8 mm                        |
| Ball bounce          | $\geq 90 \%$                | 91 %                          |
| Friction             | $\geq 80 \leq 110$          | ~ 85                          |
| Rolling Load         | $\geq 1500 \text{ N}$       | 2500 N <sup>1</sup>           |
| Point load           | None                        | 4500 N ~ 450 kgs <sup>2</sup> |

1) Junckers test with solid rubber wheels: width 50 mm, diameter 100 mm.  
2) Junckers test with 100x100 mm point load.





UNIVERSITY OF HULL  
NEW ERA UNOBAT



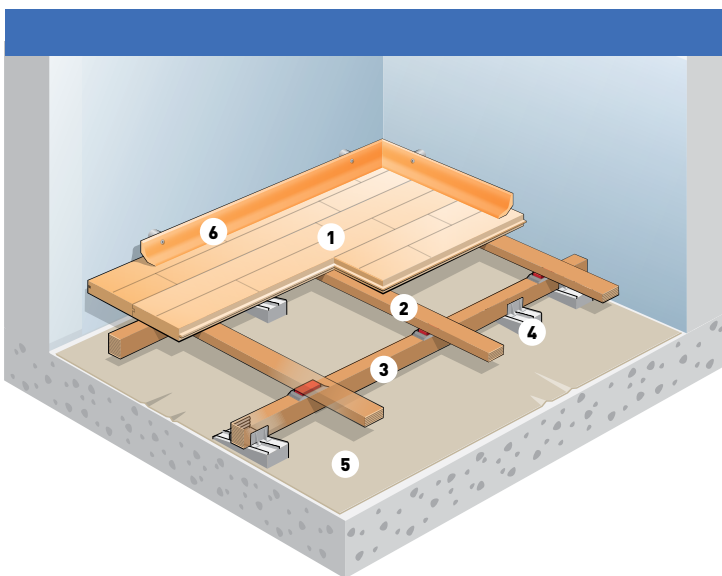
# DUOBAT 120+



Junckers' patented adjustable and locking DuoWedge cradle.



Junckers' packing bases to increase floor height of the Unobat 62+ and Duobat 120+ system.



## SYSTEM COMPONENTS

1. 22 x 129 x 3700 mm floorboards
2. Upper batten: 25.5 x 60 x 3600 mm with pre-attached rubber shock pads
3. Lower batten: 39 x 40 x 3364 mm with pre-attached J-Lock cradle
4. Junckers DuoWedge
5. Junckers Sylvathene moisture barrier
6. Combi sports skirting

The Duobat 120+ System provides the ultimate in high performance and safety, along with virtually unlimited levelling flexibility to accommodate all types of uneven subfloors.

The 22 mm solid hardwood floor boards are fastened to a subfloor system consisting of 2 layers of cross-laid engineered battens. The top batten has pre-attached resilient rubber pads that snap-lock into the lower batten's J-locks. This ensures a fast, accurate and secure connection between the upper and lower battens.

The lower batten rests in an adjustable and locking DuoWedge cradle, making it easy to correct even the most complicated subfloors into flat, ideal playing surfaces. Levelling the floor is carried out without use of nails and tools.

Packing bases, which fit the adjustable Duo Wedge cradle, are available in a variety of thicknesses to easily increase the height of the floor system as needed.

## FACTS

|                                 |   |
|---------------------------------|---|
| Construction height             | From 120 mm to 242 mm                       |
| Required subfloor               | Flat/uneven                                 |
| Performance                     | Area-elastic according to EN 14904 class A4 |
| Floorboard type                 | Prefinished 22 mm 2-strip solid hardwood    |
| Subconstruction                 | Two layer batten system                     |
| Junckers' 25 years fatigue test | ✓   |
| Sanding and re-sealing          | Yes, to bare wood 8-10 times                |
| Suitable for underfloor heating | Yes   |

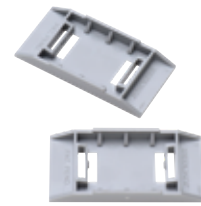
|                      | Requirements EN 14904:A4    | Test results                  |
|----------------------|-----------------------------|-------------------------------|
| Shock absorption     | $\geq 55 < 75 \%$           | 63 %                          |
| Vertical deformation | $\geq 2.3 < 5.0 \text{ mm}$ | 2.3 mm                        |
| Ball bounce          | $\geq 90 \%$                | 95 %                          |
| Friction             | $\geq 80 \leq 110$          | ~ 85                          |
| Rolling Load         | $\geq 1500 \text{ N}$       | 3500 N <sup>1</sup>           |
| Point load           | None                        | 6000 N ~ 600 kgs <sup>2</sup> |

1) Junckers' test with solid rubber wheels: Width 50 mm, diameter 100 mm.  
2) Junckers' test with 100x100 mm point load.

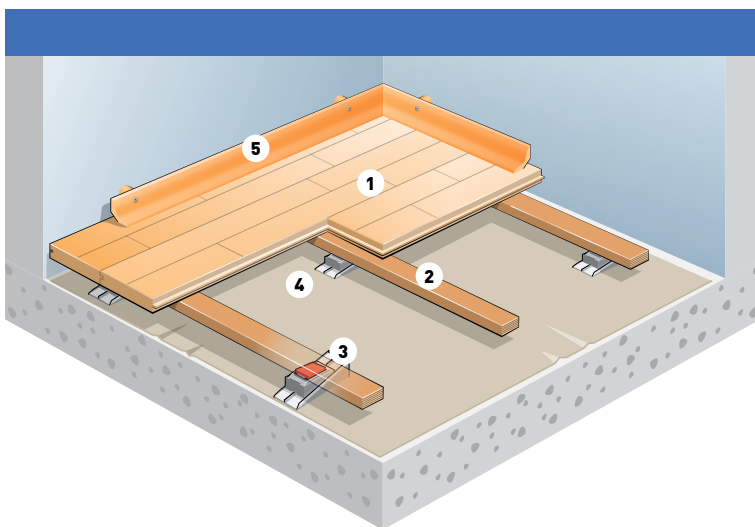
# UNOBAT 62+



Junckers' patented adjustable and locking J-Lock Wedge and batten with pre-attached shock pad.



Junckers' patented J-Lock cradle.  
For use on flat subfloors.



## SYSTEM COMPONENTS

1. 22 x 129 x 3700/1830 mm floorboards
2. Batten: 25.5 x 60 x 3600 mm with pre-attached shock pads
3. Adjustable J-LockWedge
4. Junckers Sylvathene moisture barrier
5. Combi sports skirting

The Unobat 62+ System provides excellent performance and safety, along with the ability to accommodate all types of irregular subfloors. The 22 mm solid hardwood floor boards are fastened to a subfloor system consisting of single layer engineered battens with pre-attached shock absorbing rubber pads.

The pre-attached rubber pads snap-lock into either a J-lock cradle, or if the floor needs to be levelled, a J-Lock adjustable wedge. The J-Lock cradle serves as a durable stop block for flat subfloors.

The J-Lock adjustable wedge allows for the quick correction of uneven subfloors into flat, ideal playing surfaces. Levelling the floor is conducted without use of nails and tools.

Packing bases fitting the adjustable J-lock Wedge are available in a variety of thicknesses to easily increase the height of the floor system as needed.

## FACTS

|   |   |
|---|---|
| Construction height using the J-Lock cradle for flat sub floors             | 62 mm                                       |
| Construction height using the adjustable J-Lock wedge and supporting blocks | From 82 mm to 209 mm                        |
| Required subfloor   | Flat/uneven                                 |
| Performance   | Area-elastic according to EN 14904 class A4 |
| Floorboard type   | Prefinished 22 mm 2-strip solid hardwood    |
| Subconstruction   | Single layer batten system                  |
| Batten Centre C/C   | Choice between 336 mm or 411 mm             |
| Junckers' 25 years fatigue test   | ✓   |
| Sanding and re-sealing  | Yes, to bare wood 8-10 times                |
| Suitable for underfloor heating   | Yes   |
| Suitable for retractable seating  | Yes <sup>1</sup>                            |

1) Junckers floor systems may be strengthened for use with retractable seating and similar high loads.  
Contact Junckers Technical dept. for information.

|                      | Requirements EN 14904:A4 | Batten distance c/c 411 mm    | Batten distance c/c 336 mm    |
|----------------------|--------------------------|-------------------------------|-------------------------------|
| Shock absorption     | ≥ 55 < 75 %              | 67 %                          | 65 %                          |
| Vertical deformation | ≥ 2.3 < 5.0 mm           | 3.0 mm                        | 2.6 mm                        |
| Ball bounce          | ≥ 90 %                   | 93 %                          | 94 %                          |
| Friction             | ≥ 80 ≤ 110               | ~ 85                          | ~ 85                          |
| Rolling Load         | ≥ 1500 N                 | 3000 N <sup>1</sup>           | 3500 N <sup>1</sup>           |
| Point load           | None                     | 5500 N ~ 550 kgs <sup>2</sup> | 6000 N ~ 600 kgs <sup>2</sup> |

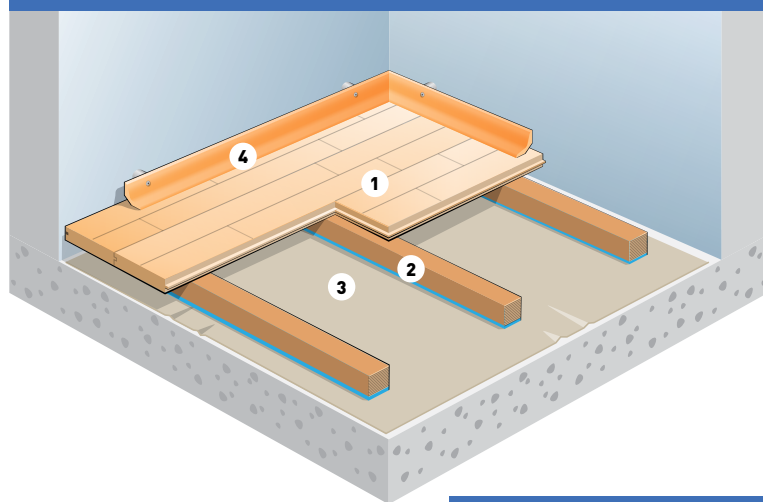
1) Junckers' test with solid rubber wheels: Width 50 mm, diameter 100 mm.

2) Junckers' test with 100x100 mm point load.



# BLUBAT 52-67-79

## SYSTEM COMPONENTS



1. 22 x 129 x 3700/1830 mm floor boards
2. Batten: 30/45/57 x 45 x 2400 mm, foam included
3. Junckers Sylvathene moisture barrier
4. Combi sports skirting

The BluBat family is a batten based system that offers a range of floor heights when matching existing slab recesses. BluBat battens offer a good value price point and are designed for use over flat subfloors.

The 22 mm solid hardwood floor boards are fastened to a resilient subfloor system consisting of single layer engineered battens fitted with a continuous layer of blue, shock absorbing foam.

The available batten thicknesses are 30 mm, 45 mm and 57 mm.

## FACTS

|                                  |   |
|----------------------------------|---|
| Construction height              | Choice between 52 mm, 67 mm, 79 mm          |
| Required subfloor                | Flat  |
| Performance                      | Area-elastic according to EN 14904 class A3 |
| Floorboard type                  | Prefinished 22 mm 2-strip solid hardwood    |
| Subconstruction                  | Single layer batten system                  |
| Batten centre c/c                | Choice between 336 mm or 411 mm             |
| Junckers' 25 years fatigue test  | ✓   |
| Sanding and re-sealing           | Yes, to bare wood 8-10 times                |
| Suitable for underfloor heating  | Yes   |
| Suitable for retractable seating | Yes <sup>1</sup>                            |

1) Junckers floor systems may be strengthened for use with retractable seating and similar high loads. Contact Junckers Technical dept. for information.

|                      | Requirements EN 14904:A3 | Batten distance c/c 411 mm    | Batten distance c/c 336 mm    |
|----------------------|--------------------------|-------------------------------|-------------------------------|
| Shock absorption     | ≥ 40 < 55 %              | 55 %                          | 53 %                          |
| Vertical deformation | ≥ 1.8 < 3.5 mm           | 1.9 mm                        | 1.8 mm                        |
| Ball bounce          | ≥ 90 %                   | 100 %                         | 98%                           |
| Friction             | ≥ 80 ≤ 110               | ~ 85                          | ~ 85                          |
| Rolling Load         | ≥ 1500 N                 | 3000 N <sup>1</sup>           | 3500 N <sup>1</sup>           |
| Point load           | None                     | 5000 N ~ 500 kgs <sup>2</sup> | 5500 N ~ 550 kgs <sup>2</sup> |

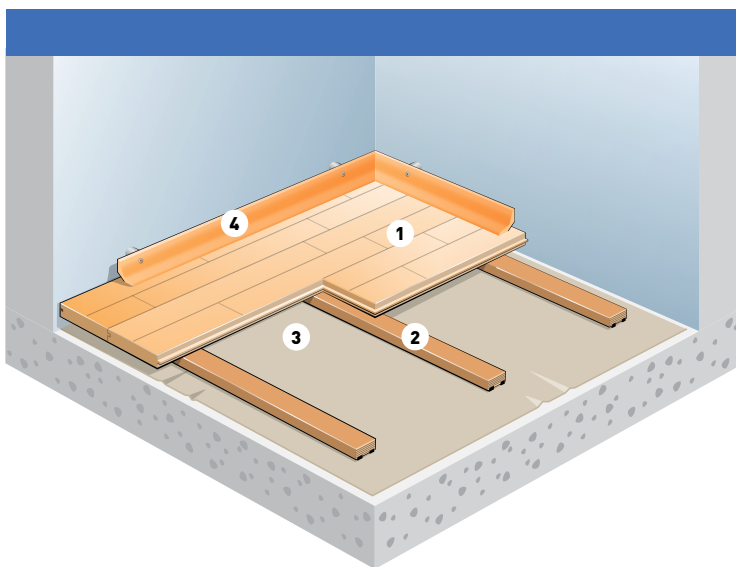
1) Junckers' test with solid rubber wheels: Width 50 mm, diameter 100 mm.

2) Junckers' test with 100x100 mm point load.

# UNOBAT 50



Junckers Unobat 50 batten with two pre-attached shock absorbing foam strips.



## SYSTEM COMPONENTS

1. 22 x 129 x 3700 mm floorboards
2. Batten: 28 x 45 x 3600 mm, shock absorbing foam strips included
3. 0.2 mm SylvaThene moisture barrier
4. Combi sports skirting

The Unobat 50 sports floor is a high performance batten based system designed for use over flat subfloors.

The 22 mm solid hardwood floorboards are fastened to a resilient subfloor consisting of single layer engineered battens with pre-attached special designed shock absorbing foam strips.

The shock absorbing foam strips are inset into a "U" shaped channel on the underside of the batten. This design creates a built-in stop block, ensuring the long-term resilience of the system.

## FACTS

|                                 |   |
|---------------------------------|---|
| Construction height             | 50 mm                                       |
| Required subfloor               | Flat  |
| Performance                     | Area-elastic according to EN 14904 class A4 |
| Floorboard type                 | Prefinished 22 mm 2-strip solid hardwood    |
| Subconstruction                 | Single layer batten system                  |
| Junckers' 25 years fatigue test | ✓   |
| Sanding and re-sealing          | Yes, to bare wood 8-10 times                |
| Suitable for underfloor heating | Yes   |

|                      | Requirements EN 14904:A4    | Test results                  |
|----------------------|-----------------------------|-------------------------------|
| Shock absorption     | $\geq 55 < 75 \%$           | 64 %                          |
| Vertical deformation | $\geq 2.3 < 5.0 \text{ mm}$ | 2.9 mm                        |
| Ball bounce          | $\geq 90 \%$                | 96 %                          |
| Friction             | $\geq 80 \leq 110$          | ~ 85                          |
| Rolling Load         | $\geq 1500 \text{ N}$       | 3500 N <sup>1</sup>           |
| Point load           | None                        | 6000 N ~ 600 kgs <sup>2</sup> |

1) Junckers' test with solid rubber wheels: Width 50 mm, diameter 100 mm.  
2) Junckers' test with 100x100 mm point load.



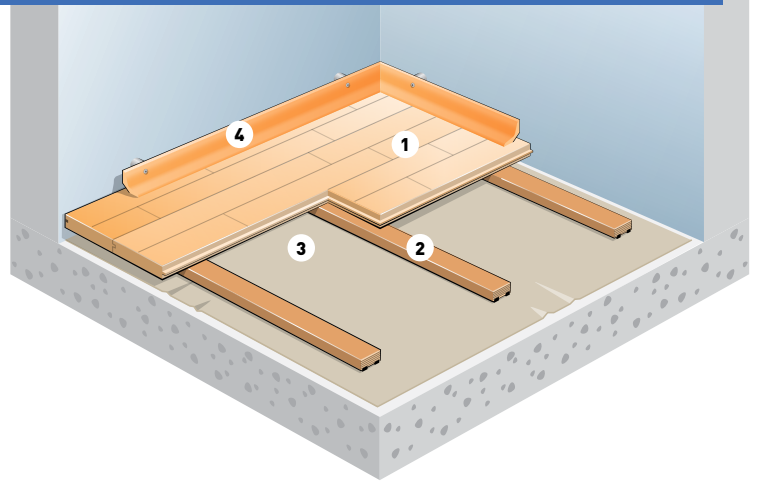
# UNOBAT 45



Junckers Unobat 45 batten with two pre-attached neoprene shock absorbing strips.

## SYSTEM COMPONENTS

1. 22 x 129 x 3700/1830 mm floor boards
2. Batten: 23 x 45 x 3600 mm, rubber strips included
3. Junckers Sylvathene moisture barrier
4. Combi sports skirting



The Unobat 45 System is a low profile, high performance batten based system. It is designed for use over flat subfloors.

The 22 mm solid hardwood floor boards are fastened to a resilient subfloor system consisting of single layer engineered battens with pre-attached neoprene shock absorbing strips.

The shock absorbing strips are inset into a "U" shaped channel on the underside of the batten. This design creates a built-in stop block, ensuring the long-term resilience of the system.

## FACTS

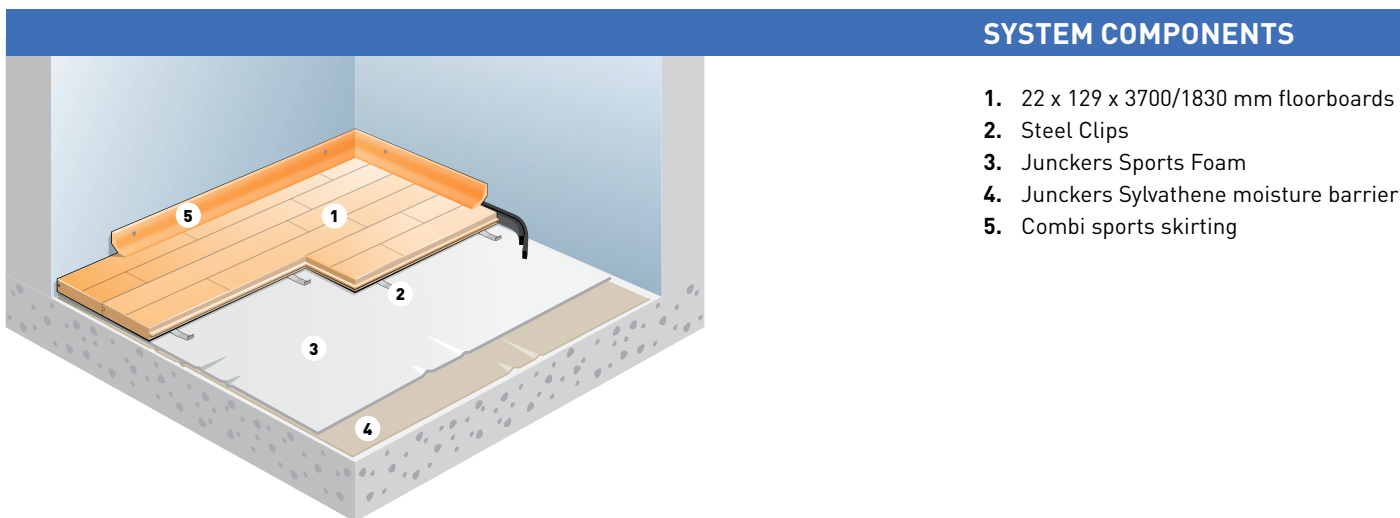
|                                  |   |
|----------------------------------|---|
| Construction height              | 45 mm                                       |
| Required subfloor                | Flat  |
| Performance                      | Area-elastic according to EN 14904 class A4 |
| Floorboard type                  | Prefinished 22 mm 2-strip solid hardwood    |
| Subconstruction                  | Single layer batten system                  |
| Batten centre, c/c               | Choice between 336 mm or 411 mm             |
| Junckers' 25 years fatigue test  | ✓   |
| Sanding and re-sealing           | Yes, to bare wood 8-10 times                |
| Suitable for underfloor heating  | Yes   |
| Suitable for retractable seating | Yes <sup>1</sup>                            |

1) Junckers floor systems may be strengthened for use with retractable seating and similar high loads. Contact Junckers Technical dept. for information.

|                      | Requirements EN 14904:A4 | Batten distance c/c 411 mm    | Batten distance c/c 336 mm    |
|----------------------|--------------------------|-------------------------------|-------------------------------|
| Shock absorption     | ≥ 55 < 75 %              | 60 %                          | 60 %                          |
| Vertical deformation | ≥ 2.3 < 5.0 mm           | 3.0 mm                        | 2.5 mm                        |
| Ball bounce          | ≥ 90 %                   | 95 %                          | 95 %                          |
| Friction             | ≥ 80 ≤ 110               | ~ 85                          | ~ 85                          |
| Rolling Load         | ≥ 1500 N                 | 3000 N <sup>1</sup>           | 3500 N <sup>1</sup>           |
| Point load           | None                     | 5500 N ~ 550 kgs <sup>2</sup> | 6000 N ~ 600 kgs <sup>2</sup> |

1) Junckers' test with solid rubber wheels: Width 50 mm, diameter 100 mm.  
2) Junckers' test with 100x100 mm point load.

# CLIP FLOORS



## SYSTEM COMPONENTS

1. 22 x 129 x 3700/1830 mm floorboards
2. Steel Clips
3. Junckers Sports Foam
4. Junckers Sylvathene moisture barrier
5. Combi sports skirting

The Clip System is a low profile, floating sports flooring system, designed for installations over all types of flat subfloors. This system is ideal for refurbishment projects, or when the finished floor height must be kept to an absolute minimum.

The 22 mm solid hardwood floor boards are joined together with Junckers Steel Clips, which allow for unique independent floor board flexing. The floor floats over a 10 mm or 15 mm performance foam underlay for maximum resilience.

Since there are no nails used in the Clip System, the floor system can be taken up and reinstalled elsewhere if ever needed.

## FACTS

|                                 |   |
|---------------------------------|---|
| Construction height             | 32 mm / 37 mm                               |
| Required subfloor               | Flat  |
| Performance                     | Area-elastic according to EN 14904 class A3 |
| Floorboard type                 | Prefinished 22 mm 2-strip solid hardwood    |
| Subconstruction                 | Floating floor system                       |
| Underlay                        | 10 mm Sports Foam or 15 mm Performance Foam |
| Junckers' 25 years fatigue test | ✓   |
| Sanding and re-sealing          | Yes, to bare wood 8-10 times                |
| Suitable for underfloor heating | Yes   |

|                      | Requirements EN 14904:A3    | Test results*                 |
|----------------------|-----------------------------|-------------------------------|
| Shock absorption     | $\geq 40 < 55 \%$           | 46 %                          |
| Vertical deformation | $\geq 1.8 < 3.5 \text{ mm}$ | 2.4 mm                        |
| Ball bounce          | $\geq 90 \%$                | 98 %                          |
| Friction             | $\geq 80 \leq 110$          | ~ 85                          |
| Rolling Load         | $\geq 1500 \text{ N}$       | 2500 N <sup>1</sup>           |
| Point load           | None                        | 4000 N ~ 400 kgs <sup>2</sup> |

\*10 mm foam

1) Junckers' test with solid rubber wheels: Width 50 mm, diameter 100 mm.

2) Junckers' test with 100x100 mm point load.



# ACCESSORIES - FIXED FLOORS

ENSURE THE PERFECT FINISH AND FUNCTIONALITY OF YOUR SPORTS FLOOR



## SPORT SKIRTING

Junckers Combi Sport Skirting can be installed with or without ventilation of the sub floor.

The skirting can be installed either way up, to provide maximum height or maximum cover.

Use steel fittings up against the wall when ventilation of the subfloor is needed and omit the steel fittings where ventilation is not required.

Dimension: Height 48 mm x width 38 mm.



## BUSHINGS AND SUCTION CUPS

To ensure optimum flexibility of the sports floor, Junckers offers a range of bushings allowing fast and efficient changes of court layout from e.g. handball to badminton or volleyball.

Junckers' bushings are available in 3 different dimensions: Inner/outer diameter: 75/95 mm, 106/126 mm, 150/170 mm.

Junckers' suction cups make removal of the bushing lid easy.



## JUNCKERS' PNEUMATIC NAILER AND J-NAILS

Make sure the floor is installed correctly. Junckers' pneumatic nailer and special J-nails ensure easy and fast installation of batten floors.



## SYLVATHENE MOISTURE BARRIER

To ensure a safe and fast installation Junckers offers an extra wide PE-membrane. The PE-membrane has a width of 4 metres, and on the membrane is shown a marking line, which clearly indicates where the overlap has to be. It is manufactured in a recyclable material in consideration of the environment.



## SPORTS FOAM

Provide the ideal level of shock absorption and resilience with Junckers' performance Sports Foam.

Choose between 10 and 15 mm sports foam depending on system type and/or required performance.



## SPACERS

Ensure that the sports floor is installed correctly, with the right 10 board measurement. We have a range of spacers matching any indoor climate.

# JUNCKERS PORTABLE FLOORS

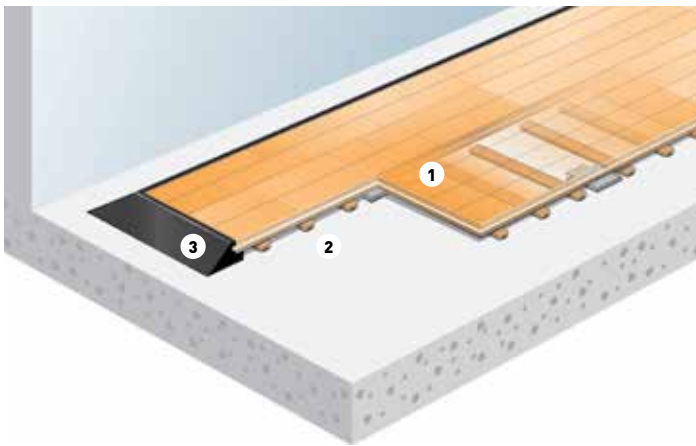
## PRO COMPLETE 44



A transition ramp around the floor provides a strong, protective and firm edge to the perimeter.

Available for ProComplete 44 and Arena Master.

### SYSTEM COMPONENTS



1. Floor panels:
  - Full size panel: 517.5 x 1800 mm
  - Half size panel: 517.5 x 900 mm
2. Prefixed battens:
  - 18 x 70 mm engineered birch battens
3. Black painted transition ramp

The Pro Complete 44 Portable Sports Floor comprises of 22 mm solid hardwood floor boards preassembled into lightweight, easy to handle panels.

Underneath each floor panel several prefixed birch battens are mounted together with a soft polyurethane foam to provide correct shock absorption and resilience.

The floor panels are easily locked into position by means of factory-fitted metal brackets.

Lengthwise the panels have a tongue and groove connection and at ends the panels are joined using loose tongues.

Pro Complete 44 tolerates larger fluctuations in relative humidity and is therefore suitable for long term use.

### FACTS

|                                 |  |
|---------------------------------|--|
| Construction height             | 44 mm  |
| Required subfloor               | Self-supporting subfloor of concrete/lightweight concrete<br>Existing hard area elastic floors |
| Performance                     | Area-elastic according to EN 14904 class A4  |
| Floorboard type                 | Prefinished 22 mm solid hardwood parquet   |
| Panel size                      | Full size panel 0.93 m <sup>2</sup> - Half size panel 0.47 m <sup>2</sup>                      |
| Panel weight                    | Full size panel 18,5 kgs - Half size panel 9,4 kgs   |
| Subconstruction                 | Single layer batten system   |
| Junckers' 25 years fatigue test | ✓  |
| Sanding and re-sealing          | Yes, to bare wood 8-10 times   |
| Suitable for underfloor heating | Yes  |

|                      | Requirements EN 14904:A4 | Test results                  |
|----------------------|--------------------------|-------------------------------|
| Shock absorption     | ≥ 55 < 75 %              | 60 %                          |
| Vertical deformation | ≥ 2.3 < 5.0 mm           | 3.3 mm                        |
| Ball bounce          | ≥ 90 %                   | 95%                           |
| Friction             | ≥ 80 ≤ 110               | ~ 85                          |
| Rolling Load         | ≥ 1500 N                 | 3000 N <sup>1</sup>           |
| Point load           | None                     | 5000 N ~ 500 kgs <sup>2</sup> |

1) Junckers' test with solid rubber wheels: Width 50 mm, diameter 100 mm.  
2) Junckers' test with 100x100 mm point load.

# ARENA MASTER

PERFECT FOR USE ON

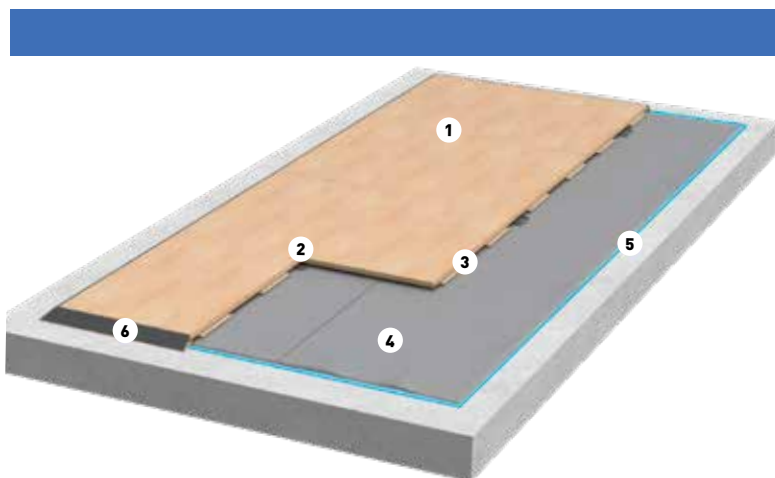
- TURF SURFACES
- ICE RINKS



Each floor panel is easily locked into position by means of factory fitted metal brackets.



Lengthwise the panels have a tongue and groove connection and at ends the panels are joined using loose tongues.



## SYSTEM COMPONENTS

1. Floor panels:
  - Full size panel: 517.5 x 1800 mm
  - Half size panel: 517.5 x 900 mm
2. Assembly brackets
3. Plywood birch sheets
4. Junckers 15 mm Sports Foam
5. Moisture barrier on concrete:
  - Junckers Sylvathne 0.20 mm PE membrane
6. Black painted transition ramp

The Arena Master Portable Sports Floor comprises of 22 mm solid hardwood floorboards, prefabricated into lightweight panels.

Each floor panel is easily locked into position by means of factory fitted metal brackets. Lengthwise the panels have a tongue and groove connection and at ends the panels are joined using loose tongues.

Underneath each floor panel is fitted four sheets of birch plywood, 12 mm thick. These give the panels a great deal of strength and durability. The panels are reinforced in each end with aluminum profiles.

The panels are installed on top of a 15 mm polyethylene foam layer to provide the correct amount of shock absorption and resilience.

Arena Master tolerates larger fluctuations in relative humidity and is therefore suitable for long term use.

## FACTS

|                                 |  |
|---------------------------------|--|
| Construction height             | 49 mm / 34 mm turf   |
| Required subfloor               | Self-supporting subfloor of concrete/lightweight concrete<br>Existing hard floors<br>Soft surfaces / point elastic floors like rubber or vinyl |
| Performance                     | Area-elastic according to EN 14904 class A3  |
| Floorboard type                 | Prefinished 22 mm 2-strip solid hardwood   |
| Panel size                      | Full size panel 0.93 m <sup>2</sup> - Half size panel 0.47 m <sup>2</sup>  |
| Panel weight                    | Full size panel 19.7 kgs - Half size panel 9.9 kgs   |
| Subconstruction                 | Prefixed birch plywood, 12 mm  |
| Underlay                        | 15 mm Sports Foam  |
| Junckers' 25 years fatigue test | ✓  |
| Sanding and re-sealing          | Yes, to bare wood 8-10 times   |
| Suitable for underfloor heating | Yes  |

|                      | Requirements EN 14904:A3 | Test results                  |
|----------------------|--------------------------|-------------------------------|
| Shock absorption     | ≥ 40 < 55 %              | 50 %                          |
| Vertical deformation | ≥ 1.8 < 3.5 mm           | 2.1 mm                        |
| Ball bounce          | ≥ 90 %                   | 98 %                          |
| Friction             | ≥ 80 ≤ 110               | ~ 85                          |
| Rolling Load         | ≥ 1500 N                 | 3000 N <sup>1</sup>           |
| Point load           | None                     | 5000 N ~ 500 kgs <sup>2</sup> |

1) Junckers' test with solid rubber wheels: Width 50 mm, diameter 100 mm.

2) Junckers' test with 100x100 mm point load.



# PORTABLE A3

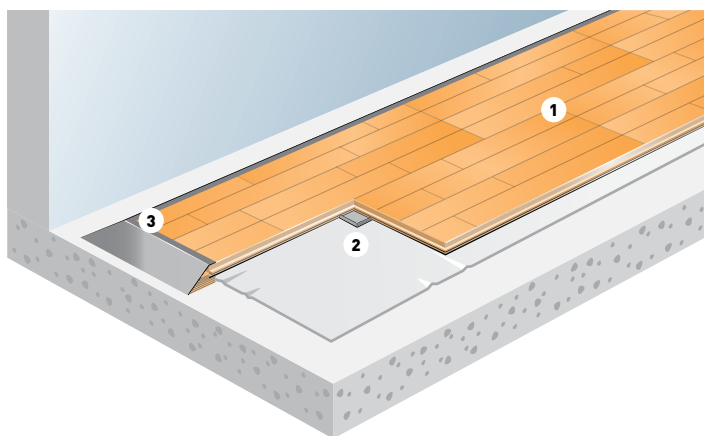


Each floor panel is easily locked into position by means of factory fitted metal brackets.



Lengthwise the panels have a tongue and groove connection and at ends the panels are joined using loose tongues.

## SYSTEM COMPONENTS



1. Floor panels:
  - Full size panel 513 x 1800 mm
  - Half size panel 513 x 900 mm
2. Junckers 10 mm Sports Foam
3. Aluminium transition ramp

The Portable A3 Sports Floor comprises of 22 mm solid hardwood floor boards, pre-assembled into lightweight, easy to handle panels. The floor is installed floating over a performance Sports Foam underlay.

Each floor panel is easily locked securely into position with a factory fitted metal fixing plate. Lengthwise the panels have a tongue and groove connection and at ends the panels are joined using loose tongues.

Junckers 10 mm performance Sports Foam underlay provides the ideal level of shock absorption and resilience.

The Portable A3 Sports Floor is suitable for short term use in sports halls/studios with low fluctuations in the relative humidity, room size maximum 200 m².

## FACTS

|                                 |   |
|---------------------------------|---|
| Construction height             | 32 mm   |
| Required subfloor               | Self-supporting subfloor of concrete/lightweight concrete<br>Existing hard / area elastic floors<br>Soft surfaces / point elastic floors like rubber or vinyl |
| Performance                     | Area-elastic according to EN 14904 class A3   |
| Floorboard type                 | Prefinished 22 mm 2-strip solid hardwood  |
| Panel size                      | Full size panel 0.92 m² - Half size panel 0.46 m²   |
| Panel weight                    | Full size panel 15 kgs - Half size panel 7.5 kgs  |
| Subconstruction                 | Floating floor system   |
| Underlay                        | 10 mm Sports Foam   |
| Sanding and re-sealing          | Yes, to bare wood 8-10 times  |
| Suitable for underfloor heating | Yes   |

|                      | Requirements EN 14904:A3 | Test results                  |
|----------------------|--------------------------|-------------------------------|
| Shock absorption     | ≥ 40 < 55 %              | 46 %                          |
| Vertical deformation | ≥ 1.8 < 3.5 mm           | 2.0 mm                        |
| Ball bounce          | ≥ 90 %                   | 99 %                          |
| Friction             | ≥ 80 ≤ 110               | ~ 85                          |
| Rolling Load         | ≥ 1500 N                 | 2500 N <sup>1</sup>           |
| Point load           | None                     | 4000 N ~ 400 kgs <sup>2</sup> |

1) Junckers' test with solid rubber wheels: Width 50 mm, diameter 100 mm.

2) Junckers' test with 100x100 mm point load.



RIO 2016 GAMES

# ACCESSORIES - PORTABLE FLOORS



## PROTECT THE PERIMETER OF THE FLOOR

Junckers' supporting and protecting transition ramp forms a strong edge for the perimeter of the floor.



## EASY TRANSPORTATION AND STORAGE

Junckers' custom designed storage carts make transportation and storage of the panels easy. One cart stores 40 panels.



## INSTALL TWICE AS FAST

For faster and more flexible installation ask for Junckers CenterRow Panels that makes two way installation possible.





# 30 YEARS WITH UNDERFLOOR HEATING

JUNCKERS SPORTS FLOORS ARE GUARANTEED FOR USE  
WITH UNDERFLOOR HEATING

The beauty of a Junckers solid hardwood floor is a natural partner for the reassuring comfort of under floor heating.

Junckers wooden floors have long been recognised by clients, architects and the heating industry as the only solid hardwood floors on the market so stable that they can be guaranteed for use with under floor heating.

This has been so for almost 30 years and is achieved because we dry the timber in a very precise and uniform way, and we manufacture the boards to the closest machining tolerances.

Junckers in the UK offers the LevelDek system, a fully integrated Sports floor and underfloor heating solution.

Contact Junckers for more information about underfloor heating.

**THE LEVELDEK  
SYSTEM WILL NOT  
ONLY WARM UP THE  
PERFORMANCE  
SPACE MORE  
QUICKLY, BUT WILL  
USE LESS ENERGY IN  
DOING SO**



# CLEANING AND MAINTENANCE

## GET A FLOOR WITH LOW COSTS OF MAINTENANCE

Junckers' sports floors are always supplied pre finished with several coats of a long lasting and very hardwearing polyurethane lacquer. Maintenance of the floor can therefore be kept to a minimum.

### DAILY CLEANING IS EASY

Sweeping or using a cleaning machine with as little water as possible is more than enough to keep the floor in good shape on a daily basis.

For activities leaving more difficult stains, e.g. handball, we offer a range of maintenance products – such as resin remover, degreaser and mild soap products designed to leave no residue.

### WHEN RENOVATING, ONLY A LIGHT SCREENING IS NECESSARY

We have developed and produce our own sports lacquer for re-sealing. The lacquer HP Sport is approved for sports use in accordance with the European standard EN 14904 and has a high ability to bond with the existing surface.

This means that only a light screening of the floor is needed before applying one coat of Junckers HP Sport.

Should years of very hard wear demand more comprehensive renovation, it is possible to sand the floor down to do a complete restoration. This is actually possible to do 8-10 times, but if maintenance of a sports floor is done on a regular basis, sanding down to bare wood is seldom necessary.

**JUNCKERS'  
MAINTENANCE  
PRODUCTS  
CONTRIBUTE TO  
LONG LASTING  
SPORTS FLOORS**



# JUNCKERS SUPPORT TO THE SPECIFIER

Junckers UK network of specification managers and technical staff are able to supply NBS specifications for the installation of our flooring for your project. Junckers specifications are also available on NBS Plus, NBS Source and NBS BIM.

We also operate with RIBA to offer approved core curriculum CPDs. Junckers specification managers and technical staff present a choice of 4 CPDs, including CPD online:

1. Selecting and specifying the correct hardwood floor
2. Hardwood sports flooring
3. Installation of hardwood flooring
4. Selecting the correct maintenance schedule for hardwood flooring

Junckers technical staff are on hand before, during and after installation to offer telephone or face to face advice, design assistance and all technical information on Junckers products.

Based in Witham, Essex  
Please contact us on:  
Tel: 01376 534729  
Email: [tech@junckers.co.uk](mailto:tech@junckers.co.uk)  
Web: [junckers.com/gb/contact/](http://junckers.com/gb/contact/)

## FREE SAMPLES

Junckers samples allow you to get a better feel for the product or show your clients the different design options that are available to choose from. To help you do your job we made all our samples free to order for architects, contractors, developers and other professionals.

To order your samples contact us on:  
Tel: 01376 534737  
Email: [sales@junckers.co.uk](mailto:sales@junckers.co.uk)  
Web: [junckers.com/gb/contact/](http://junckers.com/gb/contact/)



NBS Source

RIBA



NBS Chorus



NBS National BIM Library



KENSINGTON LEISURE CENTRE, UNITED KINGDOM  
NEW ERA, SYLVASPORT PREMIUM





COPPER BOX ARENA, ENGLAND  
PORTABLE A4, WHEELCHAIR BASKETBALL





PIONIR, SERBIA



TUROW ZGORZELEC, POLAND



THE REGAL, UNITED KINGDOM

# LINE MARKING PAINT

## ONLY IMAGINATION SETS A LIMIT

A sports floor does not come alive until it has been given the colour and excitement of the sports that are played on it. Painted sports lines help to achieve this, and the clubs own logo adds unique personal style to the floor and adds to the audiences experience.

For this purpose Junckers manufactures its own range of line marking paints. Junckers HP SportsLine is tested and approved according to the European sport standard EN 14904. It is very hard-wearing and available in white, red, green, blue, yellow and black.

The colours can be mixed to create other colour shades, and for big events, such as Euro basket 2017, Junckers has developed several colours to match exactly the colour palette for this competition.







BIRMINGHAM UNIVERSITY SPORTS HALL,  
UNITED KINGDOM



# JUNCKERS 25 YEAR WARRANTY

## WE PROVIDE SECURITY

As part of the total solution Junckers offers a unique care scheme including a 25 year lifetime warranty on the floor, its installation and maintenance.

The care scheme offers the client, specifier and builder the reassurance that the floor will be properly fitted, the highest quality products are used and the long term maintenance will be carried out by a Junckers Approved Contractor.

This ensures that the floor always performs at its best and that there are no unexpected costs for at least 25 years.

For more information please contact one of our local sales managers.



BUSHBURY HILL SCHOOL  
MULTIPURPOSE ARENA





# JUNCKERS

Performing on Danish design