

ARENA MASTER

Portable sports floor for all
indoor sports and sport facilities



JUNCKERS

Performing on Danish design

JUNCKERSHARDWOOD.COM



JUNCKERS ARENA MASTER

A portable floor with excellent sport performance properties and outstanding flexibility.

USE IT FOR SPORTING AND NON-SPORTING EVENTS

- International tournaments, requiring custom game lines and graphics.
- Concerts & Exhibitions
- Can be installed over field turf and ice rinks

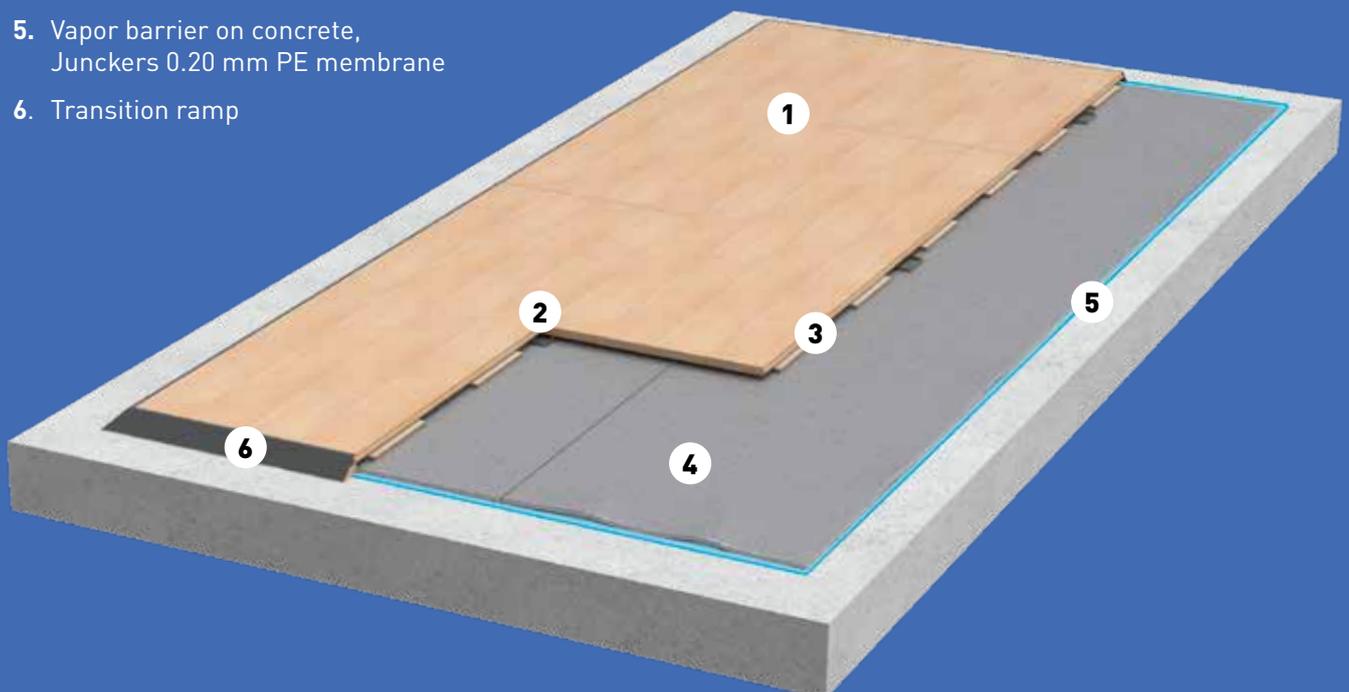
THE PERFECT CHOICE WHEN A PORTABLE FLOOR FOR LONG TERM USE IS REQUIRED

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

Use it for up to 12 weeks.

SYSTEM COMPONENTS

1. Floor panels.
 - Full size panel: 20" x 6' (517.5 x 1800 mm), 10 SF (0.93 m²)
 - Half size panel: 20" x 3' (517.5 x 900 mm), 5 SF (0.47 m²)
2. Pre-attached assembly brackets
3. Pre-attached Plywood / Aluminum
4. Junckers 5/8" (15 mm) Sports Foam
5. Vapor barrier on concrete, Junckers 0.20 mm PE membrane
6. Transition ramp





EXCLUSIVE BENEFITS OF A JUNCKERS FLOOR

- Complete system control - Junckers subflooring, sports flooring, game line paint, and lacquer top coats are all developed, manufactured, quality controlled, and warranted by Junckers.
- Junckers produces only 100% solid hardwood, for a long life span and avoids the risk of veneer layers delaminating.
- Extended timber drying process ensuring a unique indentation resistance and strength while at the same time, the movements occurring naturally in the timber are fully controlled and kept to a minimum.
- Junckers Floors are pre-finished at our factory, allowing for quicker, and cleaner installations.

FACTS

Construction height	1 7/8" (49 mm) / 1 3/8" (34 mm) over turf (without foam)
Required subfloor	Self-supporting subfloor of concrete/lightweight concrete Existing hard floors Soft surfaces / point elastic floors like rubber or vinyl Turf/ice rinks
Performance	Area-elastic according to EN 14904 class A3
Floorboard type	Prefinished 7/8" (22mm) Solid Hardwood
Panel size	Full panel 20" x 6' - Half panel 20" x 3'
Panel weight	Full panel 44 lbs (19.7 kgs) - Half panel 22 lbs (9.9 kgs)
Subconstruction	Most flat, dry existing hard surfaces, including ice rinks Soft surfaces like rubber, synthetic, turf, and carpet
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	2.1mm
Ball bounce	≥ 90 %	98 %
Friction	≥ 80 ≤ 110	~ 85
Rolling Load	≥ 1500 N	✓ 3000 N ¹
Point load	None	5000 N ~ 500 kgs ²

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

ASSEMBLY DETAILS

LIGHT WEIGHT PANELS



The Arena Master Portable Sports Floor is based on 7/8" (22mm) solid hardwood, prefabricated into light weight, easy to hand-carry panels.

STRENGTH AND DURABILITY



The underside of each panel has four pre-attached 1/2" (12mm) birch plywood support sheets, which improve strength and durability. The panels are further reinforced at each end with "L" shaped aluminum corner profiles.

FAST AND EASY ASSEMBLY



Each floor panel is easily locked into position with the pre-mounted metal joining brackets.

SAFE AND RELIABLE FLOOR PANEL CONNECTION



Lengthwise, the panels have a tongue and groove connection. The ends the panels are joined using double-wide plastic spline.

CORRECT RESILIENCE AND STABILITY



The panels are laid floating over a 5/8" 15 mm sport foam. The intermediate layer of foam is required to provide correct shock absorption and resilience.

Don't use Sports Foam on top of turf. The panels are installed on Junckers 0.20 mm SylvaThene moisture barrier.

A TRANSITION RAMP FORMS A STRONG EDGE



A supporting and protective transition ramp forms a strong leading edge at the floor's perimeter.

CENTER ROW PANELS FOR FLEXIBLE INSTALLATION



For faster and more flexible installation, Junckers Center Row Panels can be supplied. With metal joining brackets on each side of the Center Row Panel, the installation can start from the center of the floor and work in both directions at the same time.

DISMANTLING AND STORAGE ARE EASY



Junckers custom designed storage carts make transportation and storage of the panels easy. The panels must be stored in the same relative humidity as when the floor is in use.



FLOOR BOARD RANGE

BEECH SYLVASPORT

A very popular and classic floor. Beautiful light coloured wood with a warm golden grain pattern.



MAPLE

A light coloured floor with a very uniform grain pattern.



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 paint 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 and again for Eurobasket 2022, Junckers has developed several colours to match exactly the colour palette for this competition.





INTERNATIONAL PORTABLE FLOOR REFERENCES

- Turkish Airlines Euroleague Final Four 2021
- Arecibo Coliseum - Professional Basketball Arena 2020 Puerto Rico
- FIBA Eurobasket 2017, 5 courts in 4 countries
- FIBA World Championships men U19, Cairo Egypt 2017
- African Basket League, Nigeria, Gabon 2017
- Euroleague Spain, FC Real Madrid, 2016
- Afrobasket 2015, Palais de Sport, Yaounde Cameroon
- AAU / Kingsport - Kingsport TN, 2014, 2 Courts
- Commonwealth Games 2014, Glasgow, United Kingdom
- Paralympics 2014, QE Park London United Kingdom
- Singapore Youth Olympics 2010, Singapore
- Eurobasket 2009, Spodek Hall, Katowice Poland
- Euroleague 2005, Olimpiyskiy Complex CSKA, Moscow Russia





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