

# ARENA MASTER

Portable sports floor for all  
indoor sports and sport facilities



## JUNCKERS

Performing on Danish design

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

## USE IT FOR SPORTING AND NON-SPORTING EVENTS

- ✓ International tournaments, which require special line-markings
- ✓ Concerts & Fairs
- ✓ Over turf and ice rinks

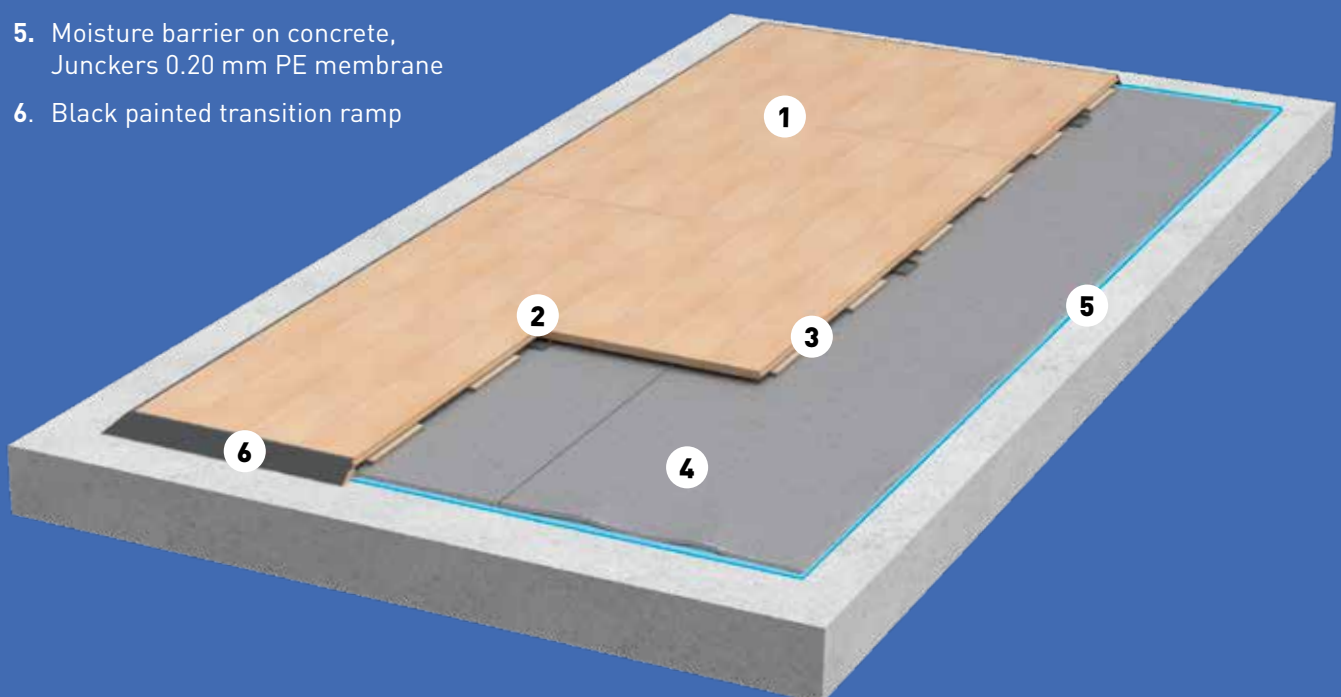
## THE PERFECT CHOICE WHEN A PORTABLE FLOOR FOR LONG TIME USE IS REQUIRED

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: 517.5 x 1800 mm, 0.93 m<sup>2</sup>
  - Half size panel: 517.5 x 900 mm, 0.47 m<sup>2</sup>
2. Assembly brackets
3. Plywood
4. Junckers 15 mm Sports Foam
5. Moisture barrier on concrete, Junckers 0.20 mm PE membrane
6. Black painted 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	49 mm (34 mm, when installed on turf)
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 22 mm 2-strip solid hardwood parquet
Panel size	Full panel 0.93 m <sup>2</sup> (517,5 x 1800 mm) - Half panel 0.47 m <sup>2</sup> (517,5 x 900 mm)
Panel weight	Full panel 19.7 kgs - Half panel 9.9 kgs
Subconstruction	Sheets of 12 mm birch plywood
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 <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.

# ASSEMBLY DETAILS

## LIGHT WEIGHT PANELS



The Arena Master Portable Sports Floor is based on 22 mm solid hardwood floorboards, prefabricated into light weight panels.

## STRENGTH AND DURABILITY



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.

## FAST AND EASY ASSEMBLY



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

## SAFE AND RELIABLE FLOOR PANEL CONNECTION



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

## CORRECT RESILIENCE AND STABILITY



The panels are laid floating on an underlay of 15 mm 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 protecting transition ramp forms a strong edge of the floor perimeter.

## CENTER ROW PANELS FOR FLEXIBLE INSTALLATION



For faster and more flexible installation ask for Junckers Center Row Panels. The metal brackets on each side of the panels make it possible to start installation from the centre of the floor and work in two directions.

## 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, Junckers has developed several colours to match exactly the colour palette for this competition.





## INTERNATIONAL PORTABLE FLOOR REFERENCES

- 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
- 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
- Eurobasket 2005, Belgrade Arena, Belgrade Serbia
- Olympic Games 2004, Athens Greece





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