

# FLOORING SURFACES HARDWOOD FLOOR SYSTEM

For Architects,  
Specifiers and  
General Contractors

## Special Features

- Custom made
- Pre-finished hardwood surface
- Life expectancy: 20 years



"Eco-friendly" products meet one or more of the following criteria: recyclable, reusable, made from recycled post consumer materials, made from renewable sources, made from managed forests, packaged in recyclable containers, made from recoverable waste materials or have no VOC's.

Custom-made portable and permanent finished hardwood flooring system with pre-fabricated subfloor for easy installation. Ideal for ballet, tap, jazz, modern and multi-purpose. Exceeding DIN 18032 pt2 and EN standards.

### ACTIVITY

Recommended for all sports and athletic activities. There are different systems to cover every way you move.

### INSTALLATION

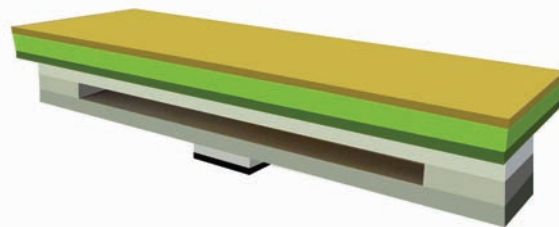
Should be professionally installed. Contact Aeson for details.




### MAINTENANCE

Dry mop daily. Wet mop with detergent/degreaser weekly. Lifetime guarantee when installed by certified Aeson Installer and maintained with Aeson products. Aeson maintenance program must be followed to maintain warranty.

### BASKETBALL

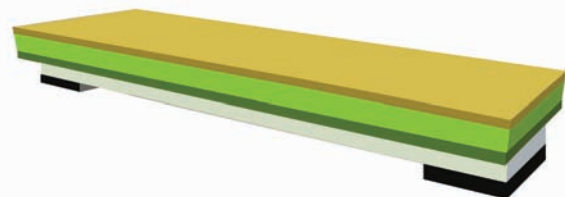
Professional grade basketball flooring that exceeds the highest DIN, EN and FIBA standards for quality and performance.








- |   |   |
|---|---|
|  6mm Hardwood Layer                  |  18mm Cross Laminated Birch Ply Spring Layer |
|  12mm Plywood Layer                  |  12mm Cross Laminated Birch Ply Spring Layer |
|  6mm Cross Laminated Birch Ply Layer |  5mm Elastic Rubber Shock Pads               |

### MULTI-PURPOSE

The perfect flooring for aerobics and multi-purpose athletic activities.



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|---|---|
|  6mm Hardwood Layer                          |  5mm Elastic Rubber Shock Pads |
|  12mm Plywood Layer                          |   |
|  6mm Cross Laminated Birch Ply Layer         |   |
|  18mm Cross Laminated Birch Ply Spring Layer |   |

See reverse side for flooring specifications and MSDS Ratings.



# FLOORING SURFACES HARDWOOD FLOOR SYSTEM

## TYPE

Pre-finished hardwood surface with pre-fabricated subfloor. Top wear surface can be hardwood or vinyl.

## COLORS

Available in many pre-finished species, including oak, maple, ash and birch.

## THICKNESS

Hardwood Layer: .24" (6 mm)

Plywood Layer: .47" (12 mm)

Cross Laminated Birch Ply Layer: .24" (6 mm)

Cross Laminated Birch Ply Spring Layer: .71" (18 mm)

Cross Laminated Birch Ply Spring Layer: .47" (12 mm)

Elastic Rubber Shock Pads: .20" (5 mm)

## WIDTH & LENGTH

Width 3 Strips Hardwood: Approx. 6" (152.4 mm)

Length: Variable

Tongue & Groove Boards

## QUALITY STANDARDS

Hardwood Floor Systems are manufactured to exceed the requirements set forth by DIN-V 18032.2. Deformation and ball rebound was measured in 6 locations and co-efficient of friction in 4 locations. All tests conducted by Danish Technological Institute, Arhus, Denmark 12/8/2003.

## FIRE RATINGS

### Test Method / Parameter / Number of Tests / Average Values / Requirement Fulfilled

DIN EN ISO 11925

15 s time of exposure / Flame spread  $\leq$  150 mm / 6 / - / Yes

DIN EN ISO 9239-1 / Critical Heat Flux (KW/m<sup>2</sup>) / 3 / 3.3

DIN EN ISO 9239-1 / Smoke (% x min) / 3 / 26.0

The classification was done in accordance with the chapters 11 and 12.2 of the standard DIN EN 13501-1: 2002.

The floor covering is classified concerning the reaction to fire performance as:

Fire behavior: Dfl

Smoke development: s1

## TEST RESULT (Temperature requirement approximately 20 degrees C)

### Gymnastics

Shock Absorption KA%: 71%

Standard Deformation S+V mm: 4.9%

Friction GV: .44

Rolling Load Without Damage:  
1500 N

### Sports Floors (max)

Shock Absorption KA%: 62

Standard Deformation S+V mm: 4.0

Ball Rebound BR%: 97

Friction GV: .48

Rolling Load Without Damage:  
1500 N

## NOTES

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For information regarding handling and installation, adhesives, maintenance, applications and chemical resistance, consult Aeson.

Information on this specification sheet supercedes all materials published prior to April 2011.