

# ISO-CUSHION FLOATING WOOD FLOOR

## Stronger and more stable floating wood floor

### System build up

- 1 Finish – MFMA approved floor finished (several choices)
- 2 Gameline Paint compatible with finish
- 3 Sealer – MFMA approved floor sealer (several choices)
- 4 Flooring 25/32" x 2-1/4" or 1-1/2" Random Length (RL) Northern Hard Strip Maple available in 1st grade, 2nd & better or 3rd to CLA grading standards
- 5 Subfloor – 2 layers of nominal 1/2" x 48" x 96" (12mm x 1219mm x 2438mm) exterior grade Fir plywood
- 6 Two-stage natural rubber ISO-Cushion resilient pad
- 7 Vapor Barrier – 6 mil polyethylene

### System features

- Excellent performance
- Northern Hard Maple
- A variety of pad options
- Continuous solid subfloor
- Floating system to allow for expansion

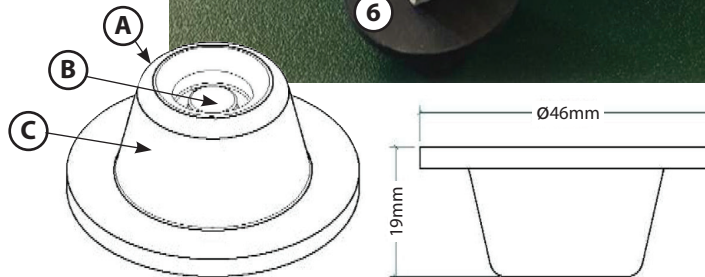
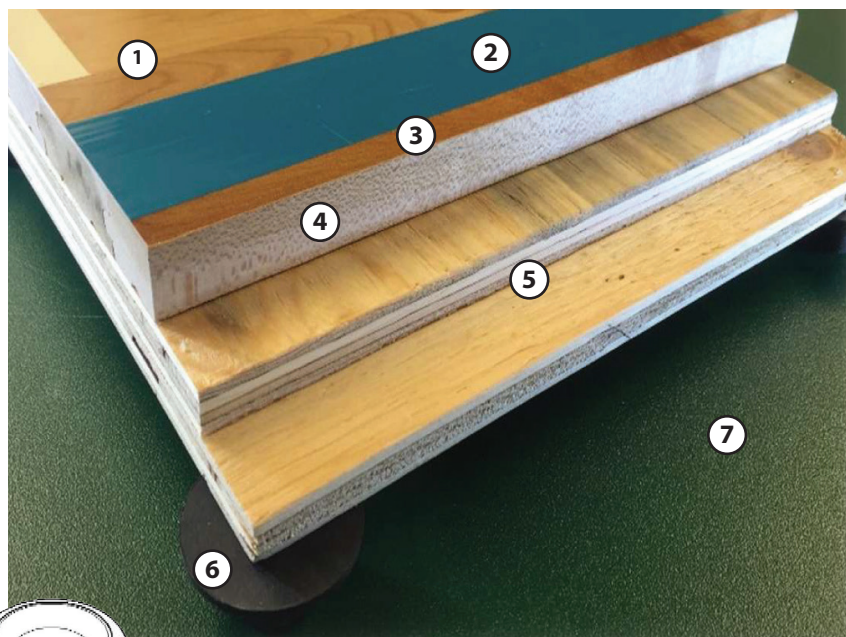
### Pad features

- (A) Rounded point of contact
- Two stage resilience: 1st responsive to (B) light loads, 2nd responsive to (C) heavy loads
- DIN tested shock absorption
- 45 and 55 durometer options.

ISO-Cushion is our most popular bio-mechanically designed floating wood floor system. We have taken into consideration the performance requirements of athletes all age and size. We are able to fine tune the shock absorption as required.

As a result of combining a thicker maple surface, dual layer subfloor, and resilient ISO-cushion pads, this floor can be perfectly fine tuned for the performance levels targeted for particular activities.

Excellent non-athletic load bearing capabilities with a continuous subfloor that adds strength and load stability throughout the floor.



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## Types of installations

### Specifications

#### System Type

Floating Panel

#### Slab Depression

2-1/8" to 2-3/4"

many options available

#### Surface

Northern Hard Maple  
and many other options

#### Subfloor Construction

2 layers of exterior grade  
1/2" Fir plywood

#### Resilience Layer

Many pad options available

#### Vapor Barrier

6 Mil Polyethylene

#### LEED Contributions

FSC Lumber Available

#### Shock Absorption

Gym 55 Durometer - 55%

Dance 45 Durometer - 57%

#### Ball Bounce

Gym 55 Durometer - 96.1

Dance 45 Durometer - 95.8

**Tested to DIN 18032-2  
by United States Sports  
Surfacing Laboratory**

Cascadia Sport Systems has been selling the ISO-Cushion gym floor system for the past 20 years. The majority of our customers are in Western Canada. Over the past 20 years we have also provided our premium North American hard maple gym floor in Switzerland, Lithuania and Thailand.

