

# Activity-Specific Flooring Systems for Dance & Aerobics

## AcerFit

Acer begins every project by taking the time to understand the specific needs of each customer. Because dance and aerobics require different floors, we AcerFit a quality Acer floor to match your needs and budget. Structural stability, enhanced performance and safety are key features of the activity-specific engineering that is part of every Acer performance floor system.

## Who Says It's Not Easy Being Green?

With over 75,000 acres of family-owned premium northern hardwood timberland, Acer says being green is not only easy, *it just makes sense*. As the only vertically integrated MFMA mill in the country, Acer has the unique ability to control the entire manufacturing process, from forest to floor. That means controlling the resource as well. And with five generations' experience in the lumber industry, it's easy for us to see the value of using that resource wisely and responsibly to sustain it for generations to come!

It just makes  
**sense.**

# Acer

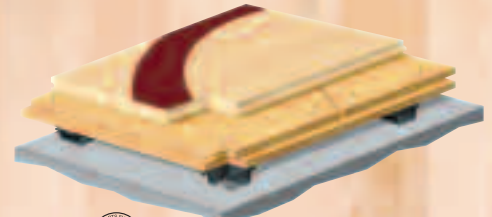
FLOORING



PowerPlay Aerobic



PowerPlay DIN



AcerFlex Aerobic



Shock absorbency-64%



Shock absorbency-57%



Shock absorbency-61.2%

**FEATURES:**

- Anchored for more consistent performance
- Dual durometer aerobic pad
- Increased shock absorbency/energy return
- Quick and easy installation
- Improves athletic performance and reduces injury
- Able to withstand a wide range of changes in environmental conditions

**FEATURES:**

- Passes the 2001 DIN 18032 criterion
- Increased shock absorbency/energy return
- Quick installation
- Improves athletic performance and reduces injuries
- Pre-engineered panels ensure uniform performance
- Sound attenuation built into the system

**FEATURES:**

- Precision-engineered pad integrates load bearing ability with enhanced athletic performance
- Reduces injuries
- Three-point contact pad disperses the load and provides uniform response
- AcerFlex stays flexible and outperforms synthetic EPDM rubber and urethane pads

**PART I - GENERAL**

An anchored performance sports floor system consisting of vapor barrier, pre-engineered cushioned panels, and Acer maple flooring.

**PART II - PRODUCTS**

**Materials**

Vapor barrier shall be 6-mil polyethylene.

**Subfloor**

Pre-engineered panels as manufactured by Acer Flooring, LLC with AcerFlex aerobic pads.

**Flooring – Acer Maple**

25/32" x 2-1/4" 2nd & Better Grade Northern Hard Maple manufactured in accordance with the standards established by the Maple Flooring Manufacturers Association (MFMA). Other options are available.

Wall base shall be 3" x 4" molded vent cove base.

**PART III – EXECUTION**

**Subfloor Installation**

PowerPlay panels shall be laid perpendicular to finish flooring 16" O.C. Allow 1/4" space between ends of abutted panels. Mechanically fasten panel to the slab with concrete fasteners (1" min. penetration). Stagger panels when beginning each row to create a brick pattern throughout the subfloor.

Provide a minimum 1-1/2" expansion void at all walls and permanent obstructions.

**PART I - GENERAL**

An anchored performance sports floor system consisting of vapor barrier, pre-engineered cushioned panels, resilient underlayment, and Acer maple flooring.

**PART II - PRODUCTS**

**Materials**

Vapor barrier shall be 6-mil polyethylene.

**Subfloor**

Pre-engineered panels as manufactured by Acer Flooring, LLC with AcerFlex aerobic pads.

**Flooring – Acer Maple**

25/32" x 2-1/4" 2nd & Better Grade Northern Hard Maple manufactured in accordance with the standards established by the Maple Flooring Manufacturers Association (MFMA). Other options are available.

Wall base shall be 3" x 4" molded vent cove base.

**PART III – EXECUTION**

**Subfloor Installation**

Cover slab with 1/2" x 16" foam allowing 4" space between runs. PowerPlay DIN panels shall be laid perpendicular to finish flooring using "stair-step" method with stabilizer in 4" space. Mechanically fasten panel to the slab with modified steel drivepins or concrete fasteners. Allow 1/4" space between ends of abutted panels. Stagger panels when beginning each row to create a brick pattern throughout the subfloor. Install 7" wide foam into panel void.

Provide a minimum 1-1/2" expansion void at all walls and permanent obstructions.

**PART I - GENERAL**

A floating performance sports floor system consisting of vapor barrier, two layers of underlayment, resilient AcerFlex Performance Pads and Acer maple flooring.

**PART II - PRODUCTS**

**Materials**

Vapor barrier shall be 6-mil polyethylene.

**Resilient Subfloor Pads**

AcerFlex 3/4" Performance Pad

**Subfloor**

Underlayment – 2 layers of 15/32" x 4' x 8' APA rated underlayment with an exposure rating of 1.

**Flooring – Acer Maple**

25/32" x 2-1/4" 2nd & Better Grade Northern Hard Maple manufactured in accordance with the standards established by the Maple Flooring Manufacturers Association (MFMA). Other options are available.

**PART III – EXECUTION**

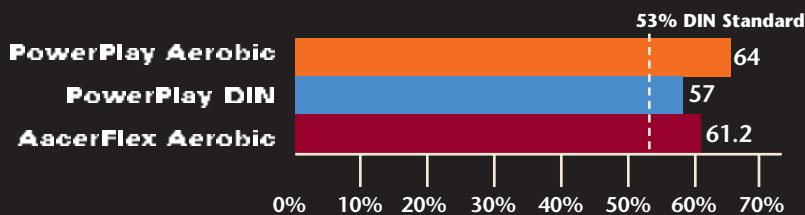
**Subfloor Installation**

AcerFlex Performance Pads shall be attached to first underlayment layer 12" O.C. (32 per sheet). Install first layer of underlayment with pads facing down perpendicular to the orientation of the long dimension of the maple flooring and breaking rows by 4'.

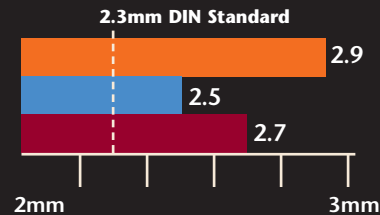
The second layer of subfloor material shall be laid diagonally at 45° angles over the first layer with 1/4" spacing on all edges, breaking rows at 4'. The second layer shall be attached using 1" coated staples, or equivalent, at a minimum of 12" O.C.

Provide a minimum 1-1/2" expansion void at all walls and permanent obstructions.

**shock absorbency**



**vertical deflection**



Tested in accordance with DIN 18032-02



To receive a detailed specification sheet, call us toll free at **(877) 582-1181** or visit our website at **acerflooring.com**.

