

# FIELD GUIDE



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LOUISIANA STATE UNIVERSITY

## About Acer

Acer Sports Flooring is the leading manufacturer of high-performance hardwood flooring and sub-flooring systems for the sports industry. In any sport, attitude, equipment and knowledge of the game are important. When playing on hardwood, the floor is the winning difference. We believe that Acer is that winning difference.

Our 300,000 square foot, environmentally controlled manufacturing facility is capable of producing 35 million board feet of hardwood flooring annually. Lumber is kiln-dried, milled and graded to precision on-site.

Let our experienced and knowledgeable sales representative network recommend and install the perfect sports flooring system to meet your needs.

To learn more, please contact us:

[sales@acerflooring.com](mailto:sales@acerflooring.com)

[www.acerflooring.com](http://www.acerflooring.com)

(877) 582-1181 – TOLL FREE

(715) 582-1181 – PHONE





## Types of Sports Floors

There are many floors and sub-floor systems available in the sports market. Selecting the appropriate sports floor is critical to the overall success of a facility. Not only does the flooring need to comply with different sport rules, the safety and performance of the user also needs to be factored in. This Field Guide summarizes the various wood and synthetic floor systems that Acer Flooring offers for indoor sports facilities.

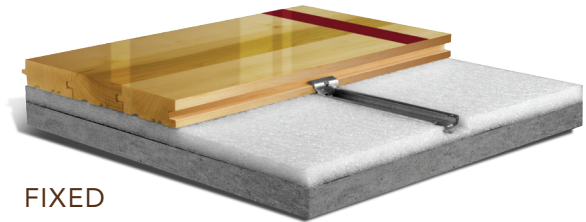
The Acer Flooring team is ready to review the scope of your new or existing facility projects. By listening to the objectives, your Acer representative can recommend the types of floors that will meet or exceed the established criteria.

*"I believe getting the right flooring was the best investment decision we could have made for our gymnasium. Thank you for providing a top quality product!"*

Ann Ross, Athletic Director  
Venice Christian School



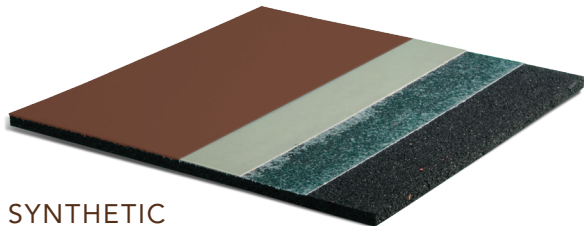
FLOATING



FIXED



FIXED RESILIENT



SYNTHETIC

## Aacer Wood Sports Floors

Aacer Flooring's Northern Hardwood Maple, certified by Maple Flooring Manufacturers Association (MFMA), is the preferred and predominant surface for indoor athletic facilities everywhere. The advantage of our Northern Hard Maple are:

- **Physical Characteristics** – Our lumber comes from trees grown north of the 35th parallel where the growing season is shorter and the weather colder. This climate is ideal for producing extremely durable and dense wood. The wood also has a tighter grain, harder fiber, and is resistant to slivering and splintering.
- **Resiliency and Performance** – Aacer Northern Hard Maple is an organic product consisting of air pockets and fiber patterns which give it a natural shock-absorbing quality. These characteristics, combined with specially designed and engineered subfloor systems, deliver performance and safety for a variety of sporting and activity applications.
- **Environmentally Responsible** – Northern Hard Maple is a natural resource that is renewable, recyclable, biodegradable, reusable and available in FSC.

## Our Maple Grades

Flooring is sorted into different grades. To ensure consistency and uniformity within each grade, pieces are sorted by specific characteristics and standards. Every grade of Acer flooring is guaranteed for durability.



## Our Performance Pads

The performance pad is an integral part of the sports floor system. Having the right combination of performance pad and sub-floor system is vital in creating a winning floor.

<p>TriPower™ Black</p>  <p>1/2" 55 DUR</p>	<p>TriPower™ Red</p>  <p>3/4" 70 DUR</p>	<p>TriPower™ Orange</p>  <p>3/4" 60 DUR</p>	<p>TriPower™ Blue</p>  <p>3/4" 50 DUR</p>
<p>EcoDIN</p>  <p>7/16"</p>	<p>AacerCush</p>  <p>3/8"</p>	<p>AacerFlex</p>  <p>3/4"</p>	<p>Performance Foam</p>  <p>1/4" 1/2" 3/4"</p>

## Floating Floors

Floating systems rest freely on a concrete substrate without anchors. Different designs of performance pad and sub-floor components provide varying levels of shock absorption and flexibility.

Designs:

- Sleeper
- Plywood
- Basket Weave



**BELLEVILLE**

**MISHAWA**  
THE UNIVERSITY OF MISSOURI SYSTEM





# FLOATING

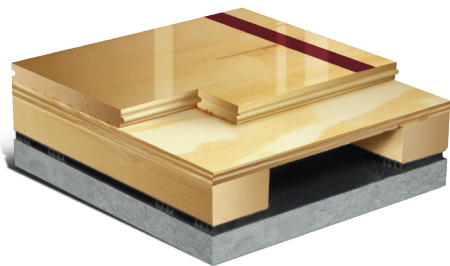
## SLEEPER DESIGN



### AcerCush I™



AcerCush I™ is one of the most widely utilized athletic floors because of its resilience, low cost and ease of installation. AcerCush I™ is ideal for racquetball and squash courts, stage floors, gymnasiums and multi-purpose rooms.

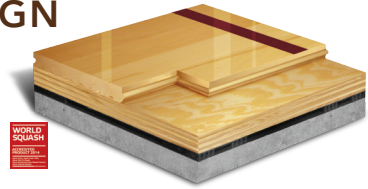


### AcerCush I Plus™



AcerCush I Plus™ is a shock absorbent, variable profile system that combines sleepers with a plywood layer for greater dimensional strength. This system is well suited for new and retrofit applications in athletic and commercial facilities.

## PLYWOOD DESIGN



### AcerCush II™

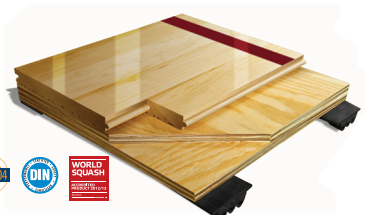


Increased structural integrity, shock absorbency and energy return make the AcerCush II™ one of the most widely accepted athletic flooring systems for field houses, combination synthetic and wood facilities, gymnasiums, dance floors, stages and multi-purpose rooms.



### AcerFlex™ VLP

AcerFlex™ VLP, our lowest profile floating system, is ideal for renovation projects. It also provides an economical solution for churches and other non-profit facilities on a budget and seeking hardwood floors.



### AcerFlex™



AcerFlex™ incorporates precision engineered pads that integrate load bearing ability with enhanced athletic performance. AcerFlex can be specified for multi-purpose rooms, competitive sports applications and dance/aerobic studios.

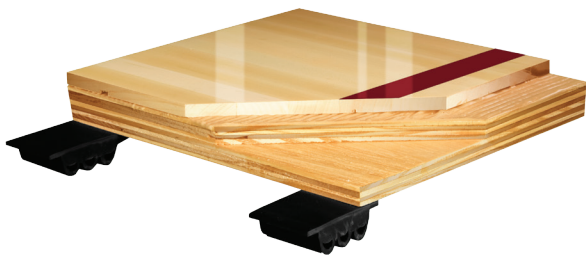
# FLOATING

## PLYWOOD DESIGN



### AcerFlex™ EN-DIN

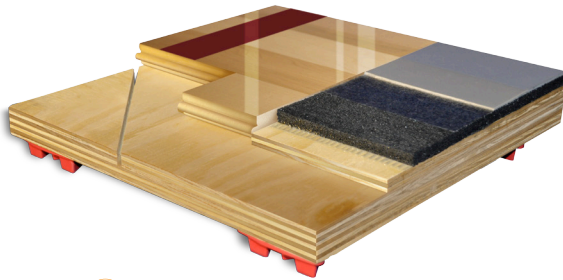
AcerFlex™ EN-DIN is a performance sports floor system that meets the ergonomic needs of today's athlete through sufficient force reduction, increased energy return as well as outstanding ball rebound characteristics. EN, DIN and PUR certified.



### SuperBond Flex™



Acer SuperBond Flex™ is a mastic set edge-grain maple parquet adhered to a floating sub-floor system. Used in sport floor applications where system height is a factor.



## AcerFlex™ TP with MP Sport

AcerFlex™ TP with MP Sport combines the best characteristics of wood and synthetic sports floors allowing multiple design options for a variety of sports and uses. This flooring system will provide sufficient force reduction, increased energy return and outstanding ball rebound over its long life. This versatile system can be used with any of our MP Sport products.

# FLOATING

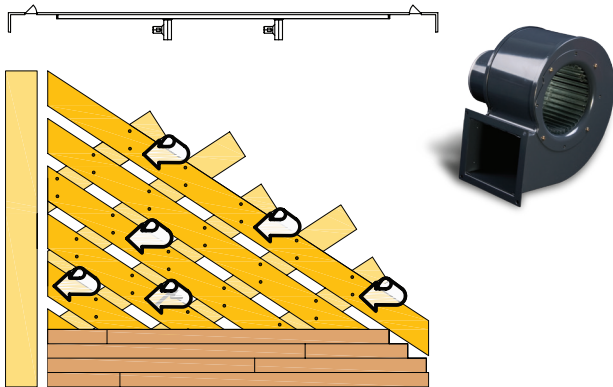
## BASKET WEAVE DESIGN

The ScissorLoc™ Series includes the added benefit of dimensional lumber. Dimensional lumber ensures owners the longevity they expect from their floor system. If subjected to unexpected moisture, this system has the best chance of fully drying. For added security, include the PowerVent™ Airflow system into your design. It detects moisture and generates mechanical airflow to assist in drying the floor system.

The ScissorLoc™ sub-floor provides a natural criss-cross airflow that significantly reduces excessive moisture. PowerVent™ is optional and can be added to all ScissorLoc™ designs.

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### OVERHEAD VIEW





ScissorLoc™



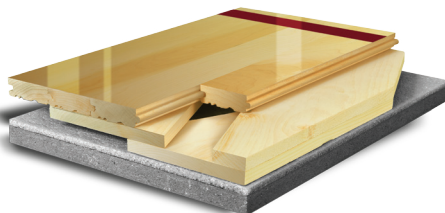
ScissorLoc™ DC



ScissorLoc™ II



ScissorLoc™ III



ScissorLoc™ LP

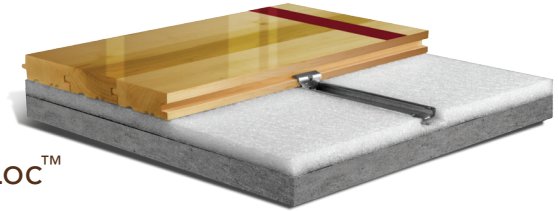


## FIXED FLOORS

Fixed floor systems are mechanically fastened either drilled and pinned or pneumatically shot down to the concrete substrate, providing a stable subfloor system. These systems offer outstanding buckle resistance to moisture, but provide minimal resilience / shock absorption to the athlete.

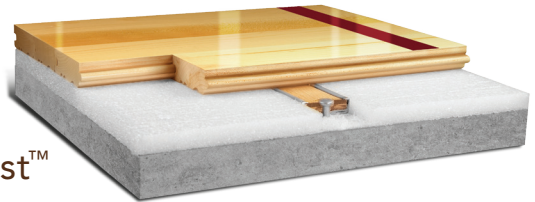






## AcerLoc™

AcerLoc™ is a fixed, low profile system with fast ball response, longevity and integrated expansion provisions to make it the system least prone to buckling. AcerLoc is ideal for retrofits and remodels.



## AcerFast™

AcerFast™ is an anchored, low profile system that combines the benefits of a nail down floor with the stability of an anchored floor. It's suitable for new and retrofit commercial projects and sports flooring applications.



## SuperBond™

Acer SuperBond™ is a mastic set edge-grain maple parquet which is usually adhered directly to a concrete substrate. The low profile makes it ideal for retrofit and commercial projects. Not generally used for sport applications.

# FIXED RESILIENT

## FIXED RESILIENT FLOORS

Fixed Resilient systems feature the environmental stability of anchored sub-floors and the resiliency of floating systems. Acer has a wide array of fixed resilient floors allowing you to choose the one that truly meets your needs.





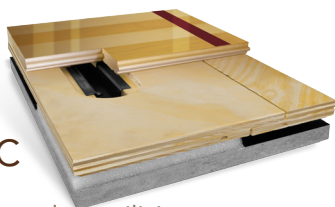
# FIXED RESILIENT



## AcerChannel™

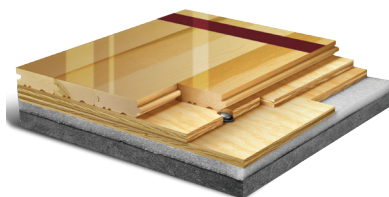


A high performance sports floor system that is ideal for large field houses, arenas or facilities that combine wood and synthetic surfaces.



## AcerChannel™ VLP HC

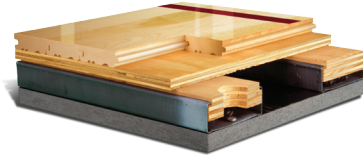
100% factory assembled panels utilizing Acer Hat Channel sections to ensure uniform performance and fast installation. This system works well for retrofits and facilities that require low profiles.



## AcerChannel™ VLP

This system provides the resiliency and safety of a floating floor and the stability of an anchored system. The factory assembled panels ensure uniform performance and fast installation. This system works well for retrofits and facilities that require low profiles.





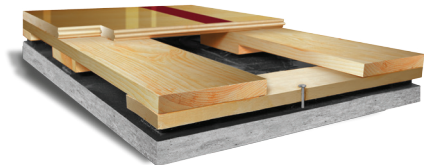
## Anchored PowerSleeper™ SE DIN

An anchored floor system that fully engages the resilient pad, ensuring uniform performance and increased structural stability. Ideal for all sports floor applications and commercial projects. It can easily be shimmed.



## Anchored PowerSleeper™ DIN

An anchored floor system that fully engages the resilient pad, ensuring uniform performance and increased structural stability. Ideal for all sports floor applications and commercial projects.



## UltraFlex™ DC

The UltraFlex™ DC system utilizes dimensional wood sub-floor which absorbs shock and reduces leg fatigue. High LEED point contributor.

## Synthetic Floors

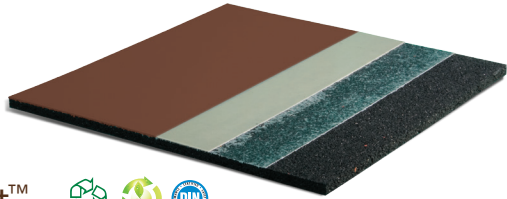
Aacer synthetic sport surfaces are available in a variety of composite materials to fit virtually every budget and application. Synthetic floors are easy to maintain and are perfect for multi-purpose gyms, locker rooms, weight rooms and fitness rooms.



WARRIORS



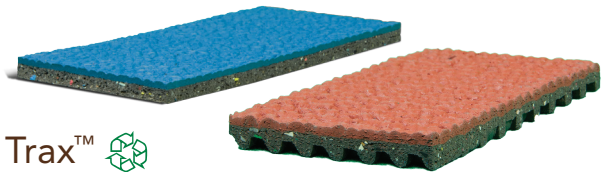
# SYNTHETIC



## MP Sport™

MP Sport™ is a multi-sport, multi-use, seamless urethane, pad-and-pour athletic floor system. It offers long life, low maintenance and multiple design options. Perfect for high volume, multi-purpose and indoor track facilities. Versions available:

- MP Sport DIN
- MP Face Lift (FL)
- MP Sport Heavy Load (HL)
- MP Sport Traction (T)
- MP Sport Spike Resistant (SR)
- MP Heavy Duty (HD)
- MP Sport Textured



## MP Trax™

MP Trax™ is a prefabricated sheet that has been formulated for indoor and outdoor use. Ideal for competitive performance tracks, field facilities, tennis and multi-recreational venues.

- Light texture (LT)
- Heavy texture (HT)

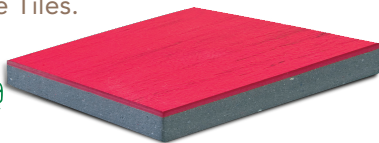


## MP Elite™ Speckled



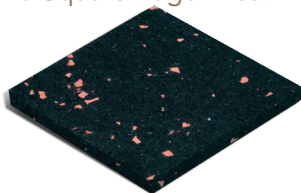
MP Elite™ is a vulcanized rubber floor system with a speckled look that is extremely durable, easy to clean and available in seven (7) standard colors. Ideal for ice rinks, weight and exercise rooms, multipurpose rooms and other high-activity areas. Available in: Rolls, Interlocking and Square Edge Tiles.

## MP Elite™



MP Elite™ is a vulcanized rubber floor system with a marbled look that is extremely durable, easy to clean and available in ten (10) standard colors. Ideal for ice rinks, weight rooms, exercise areas, gymnasiums, multi-purpose rooms, golf facilities, jogging tracks and other high-activity areas. Available in: Rolls, Interlocking and Square Edge Tiles.

## JV Elite™



JV Elite™, a recycled rubber sports floor, withstands the high traffic and heavy use of today's athletes. It is available in eighteen (18) colors. The versatility and performance of JV Elite™ makes it ideal for walking tracks, aerobic studios, weight rooms, multi-purpose fitness areas, training rooms and ice arenas. Available in: Rolls, Interlocking and Square Edge Tiles.

# ACCESSORIES



## CourtKleen™

The CourtKleen™ floor cleaning system is a quick, easy and effective way to clean your court and ensure maximum performance and appearance of the floor surface.

## CourtKleen™ Mop

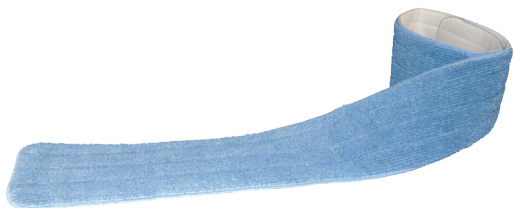
The CourtKleen™ Mop is lightweight and durable. With a 59" wide frame, the coverage is extensive and allows for a clean, no cross contamination application.





## MagicFiber

Quickly change pads with the easy tear off strips. The electrostatic properties ensures all dust is extracted.



## MicroFiber Pad

The MicroFiber Pad provides 62" coverage. The heavy duty pad is machine washable making it reusable.

## CourtKleen™ Applicator

The CourtKleen™ Applicator allows for precise application and 100% use of cleaning solution.

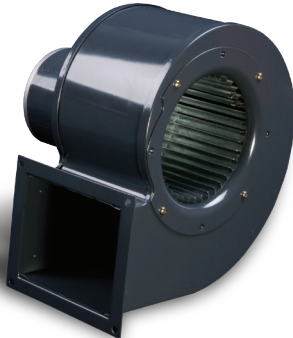


# ACCESSORIES



## AcousticCover™

AcousticCover™ is a fully portable floor cover. It can transform any space into an assembly area for conferences, meetings and other gatherings while protecting the surface of your floor.



## PowerVent™

If you are designing a new facility or concerned about moisture in an existing one, turn to Aacer's PowerVent airflow system. It mechanically forces airflow through the floor system to help prevent or alleviate moisture issues.



NORFOLK STATE UNIVERSITY

EAGLES

HOME VISIT  
WEEKS PLAYERS PER GAME  
SCORES  
EAGLES

2

3

## Selecting Your Aacer Floor

The Aacer Team works with architects, school administrators, athletic directors and coaches to ensure that all project needs are addressed and the right floor is selected for your facility. While there are a number of variables that your Aacer representative will discuss with you, they generally fall into the following categories:

- **Types of Sports** – To determine the best flooring options for your facility, it is important to identify what sports will be played, at what level of play, and to what extent. This data will allow Aacer to recommend a sports floor surface with the appropriate level of stiffness, friction and shock absorption for the end user.
- **Load Bearing and Wear Requirements** – Your sports floor must be able to safely and adequately withstand the loadings from users and equipment (e.g. Bleachers, seating, etc.)



- **Non-Sporting Use** – If the facility will be used for social or commercial activities, it is important to select a surface that will not be compromised during these events.

- **Environmental Conditions** - Many sports flooring systems are susceptible to changes in temperature and relative humidity. It is essential that these environmental variations are identified and the right floor surface is selected to prevent possible irreparable damage.

- **Internal Visual Environment** - The flooring in a sports facility is a major visual element. The colors, graphics, reflective properties and other characteristics have a significant impact on the internal environment.

- **Performance** - Sports floors are tested to many different performance standards. Understanding these tests will help determine the appropriate floor for your facility.



## Green Building/LEED Certification

Acer has over four generations of experience managing and logging the native forests. We practice responsible forest management and support green-minded suppliers. Acer welcomes visitors to our manufacturing facility to experience first hand our dedication and commitment to protecting the forestlands.



The mark of  
responsible forestry

According to the US Green Building Council's guidelines for LEED projects, Acer Flooring is eligible and can earn points toward your LEED certification by:

- 1) MR Credit 7 Certified Wood
- 2) MR Credit 5.1 & 5.2 Regional Materials
- 3) MR Credit 4.2 Recycled Content
- 4) EQ Credit 4.4 Low-Emitting Materials—  
Composite Wood
- 5) EQ Credit 4.2 Paints and Coatings
- 6) ID Innovation Design Credits



see us at  
**Sweets.com**



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