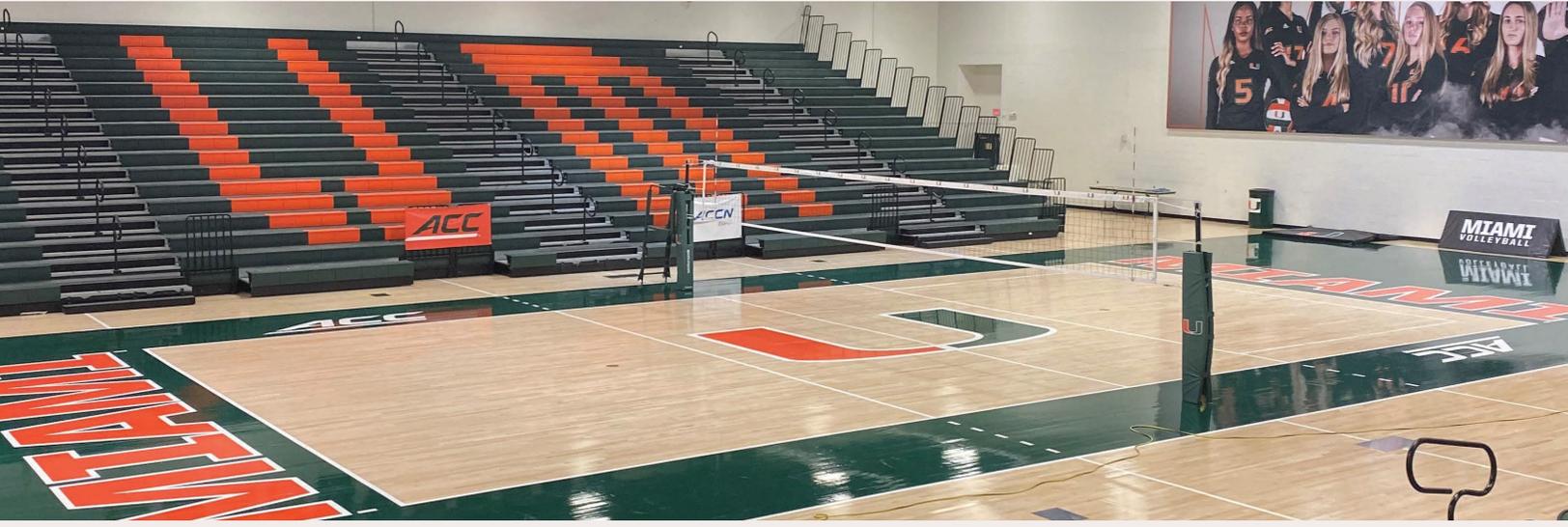


AACER™
SPORTS FLOORING



 PARTNER IN SPORT

AACER SPORTS FLOORING



Aacer Sports Flooring is a leading manufacturer of MFMA approved maple flooring and subfloor systems for the athletic and recreation industry. Around the world, athletes of all ages and skill levels train and compete on Aacer sports flooring.

Our manufacturing operation is based in **Crandon, Wisconsin**, with an additional production location in **Black River Falls, Wisconsin**. Every piece of wood is kiln-dried, milled, and graded to exacting standards, ensuring consistency, precision, and superior quality, that allow for efficient installation and dependable long-term performance.

Aacer's floor systems are 3rd party tested to meet exceptional vibration reduction, shock absorption, and resiliency standards. In addition to hardwood systems, Aacer also offers a full line of **synthetic sports flooring** available in a variety of textures, colors, and thicknesses to meet the specific needs of any project.

SNAPSHOT

- Maple Flooring Manufacturers Association (MFMA) Certified Mill
- Manufactured in U.S.A.
- Family-owned
- Worldwide distribution
- Lumber responsibly sourced
- Environmentally controlled facility
- Green manufacturing process
- Multitude of sport systems available
- Sophisticated manufacturing technology

From selection to installation, our knowledgeable sales team and nationwide dealer network will deliver the perfect gym floor for your facility.

SELECTING YOUR AACER SPORTS FLOOR

Sports flooring is not a “one-size-fits-all” solution. For this reason, the Series options offered by Aacer Sports Flooring are engineered to fit different activities, levels of play, performance and budget. Our Aacer Sports Flooring team works with architects, school administrators, athletic directors and coaches to learn about the individual needs of the project. From there, Aacer Sports Flooring helps to select the appropriate floor system for your facility

CRITERIA TO CONSIDER PRIOR TO SELECTING YOUR FLOOR

Types of Sports. Identify what sports will be played, at what level and to what extent. This data will help determine the appropriate level of resiliency, friction and shock absorption needed.

Load-Bearing and Wear Requirements: Determine the weight load of users and equipment that the floor must support.

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

Environmental Conditions. Floor systems can be susceptible to temperature and relative humidity changes. It is important to identify any possible environmental variations that occur.

Internal Visual Environment. With the ability to personalize sport floors, they are becoming the focal points of facilities. Color, graphics, reflective properties and other characteristics significantly impact the internal environment.

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



AACER SPORTS FLOORING MAPLE GRADES

Aacer hardwood Flooring is graded according to industry standards set by Maple Flooring Manufacturers Association (MFMA). Complying with the grading rules ensures consistency and uniformity within each grade.



A HIGHER STANDARD

MFMA MEMBER MILL

Aacer Sports Flooring, a Maple Flooring Manufacturers Association (MFMA) Member Mill, is a premier manufacturer of hardwood maple flooring. Our talent, technology and raw materials combine to produce consistent, precision milled, quality flooring.



PUR STANDARD

MFMA's PUR Standards **specifically developed for hardwood athletic floors**

focus on shock absorption, vertical deflection, area of deflection, ball rebound and

surface friction. These standards are designed and utilize exacting testing methodologies to ensure that customers receive a reliable, high-performing, competitive sports surface.¹



TESTING STANDARDS

To get detailed information on the testing standards, contact your Aacer Sports Flooring representative.



Area Deflection

Measures the floor system's ability to contain the deflected area under an athlete's impact, measured at 20" (500 mm) from the point of impact.



Shock Absorption

Measures the flooring system's ability to absorb impact forces generated by the athlete.



Ball Rebound

Measures the basketball's rebound response off the sports floor system as compared to the ball's rebound response off concrete.



Vertical Deflection

Measures the floor system's downward movement during the impact of an athlete landing on the surface.

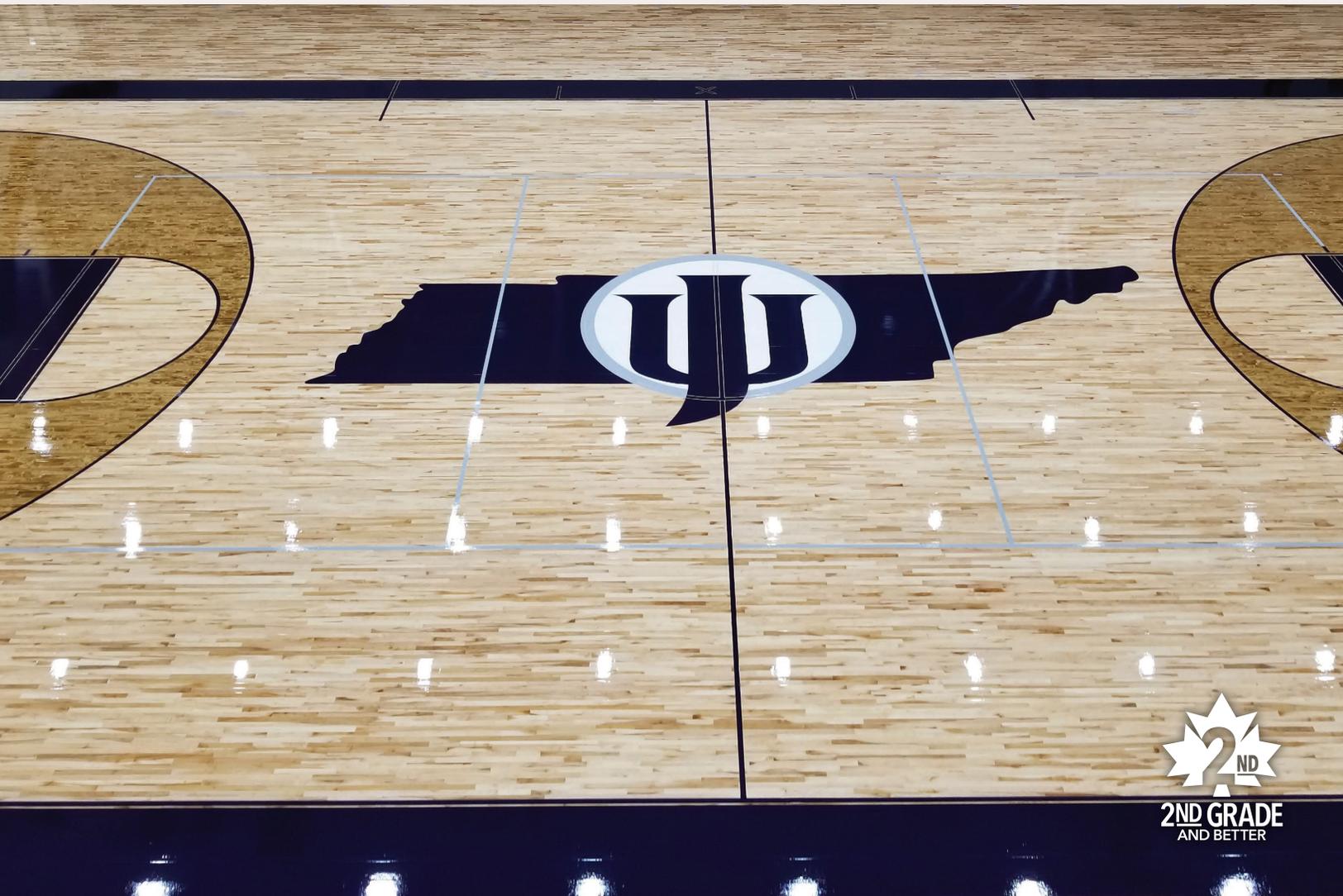


HARDWOOD SYSTEMS

Aacer Sports Flooring is a leading manufacturer of high-performance hardwood flooring and sub-floor systems for the sports and recreational industry. As an MFMA Member Mill, our Northern Hard Maple flooring is held to high quality standards. This brochure highlights popular systems as well as introduces new, innovative systems.

To view additional systems, please visit our website, www.aacerflooring.com.







GREEN BUILDING / LEED CERTIFICATION

Infinity Wood Floors has the highest regard for the health of our forests. We practice responsible forest management and support green-minded suppliers.

LEED CREDIT CONTRIBUTORS

FSC® Certified Maple – MR

FSC® Certified Subfloor Components – MR

Environmental Quality – EQ

Regional Materials – MR

SYSTEMS OVERVIEW

STANDARD OPTIONAL

SUBFLOOR SERIES	PG	SYSTEM TYPE		SUBFLOOR CONSTRUCTION			RESILIENT COMPONENT OPTIONS				PROFILE
		FLOATING	FIXED RESILIENT	ENGINEERED SLEEPER	1 X 6 SOFTWOOD	PLYWOOD PANEL	CC FOAM	OC FOAM	TRI POWER	ECO	
Multistage											
Multistage	10										2"
Multistage HC	11										2"
Multistage HC LP	10										1-3/4"
Dominique Wilkins											
Slam Dunk	12										2-1/4"
Three Point	13										2-1/4"
Free Throw	13										2-1/4"
PowerPlay											
PowerPlay Cradle	15										1-7/8"
PowerPlay Edge	14										1-3/4"
PowerPlay Trax	15										2-1/2"
PowerPlay Panel	14										1-3/4"
AcerBase	17										1-7/8"
ReClaim II	16										1-5/8"
PowerSleeper											
Anchored PowerSleeper	19										2-5/8"
Anchored PowerSleeper SE	19										2-5/8"
Anchored PowerLoc											2-5/8"
Anchored PowerLoc LP	18										2-1/4"
PowerLoc											2-5/8"
Powersleeper											2-5/8"
AcerFlex											
AcerFlex Eco											2-1/4"
AcerFlex											2-1/2"
AcerFlex TP	20										2-1/4"
AcerFlex VLP											1-3/4"
AcerFlex VLP TP											2"
AcerFlex VLP CB											2-1/2"
AcerChannel VLP HC	20										1-7/8"
ScissorLoc											
ScissorLoc I	17										2-1/2"
ScissorLoc II	18										2-1/2"
ScissorLoc III											3"
ScissorLoc IV											2-1/2"
ScissorLoc LP											2-1/4"
ScissorLoc V Hex											3"
Portable											
PLAY											
Programme Stage											
Programme Stage I											2-1/2"
Programme Stage II											2-7/8"
Programme Stage III											1-3/4"
Programme Dance											
Programme Dance I											2-1/2"
Programme Dance II											2"
Programme Dance III											1-3/4"
Programme Dance IV											2-1/2"

MULTISTAGE SERIES

MultiStage™

MultiStage™ is a computer designed dual stage resilient system that offers high performance with dimensional stability and reduced vibration.



- 1. Precision-milled Acer Maple
- 2. Factory Assembled MultiStage™ Panel
- 3. Recessed ECO Resilient Pad

Anchorage	Floating
Green/LEED	 
Resilience	1/2" (12mm) ECO Resilient Pad
Profile Height	2" (51mm)
Subfloor Blocking	Machine Recessed Sleeper

MultiStage™ HC LP

MultiStage™ HC LP includes resilient ECO pads contained in recessed pockets having pressure ridges for variable reaction to athletic impacts.



- 1. Precision-milled Acer Maple
- 2. Steel Channel Concrete Anchorage
- 3. Engineered MultiStage™ Panel
- 4. ECO Resilient Pad

Certification	
Anchorage	Sectional Steel Hat Channel
Green/LEED	 
Resilience	1/2" (12mm) ECO Resilient Pad
Profile Height	1-3/4" (44mm)
Subfloor Construction	One layer of 23/32" (18.25mm) NOM. Exposure 1, APA Rated Sheathing



For more information and system options, please visit www.AACERflooring.com

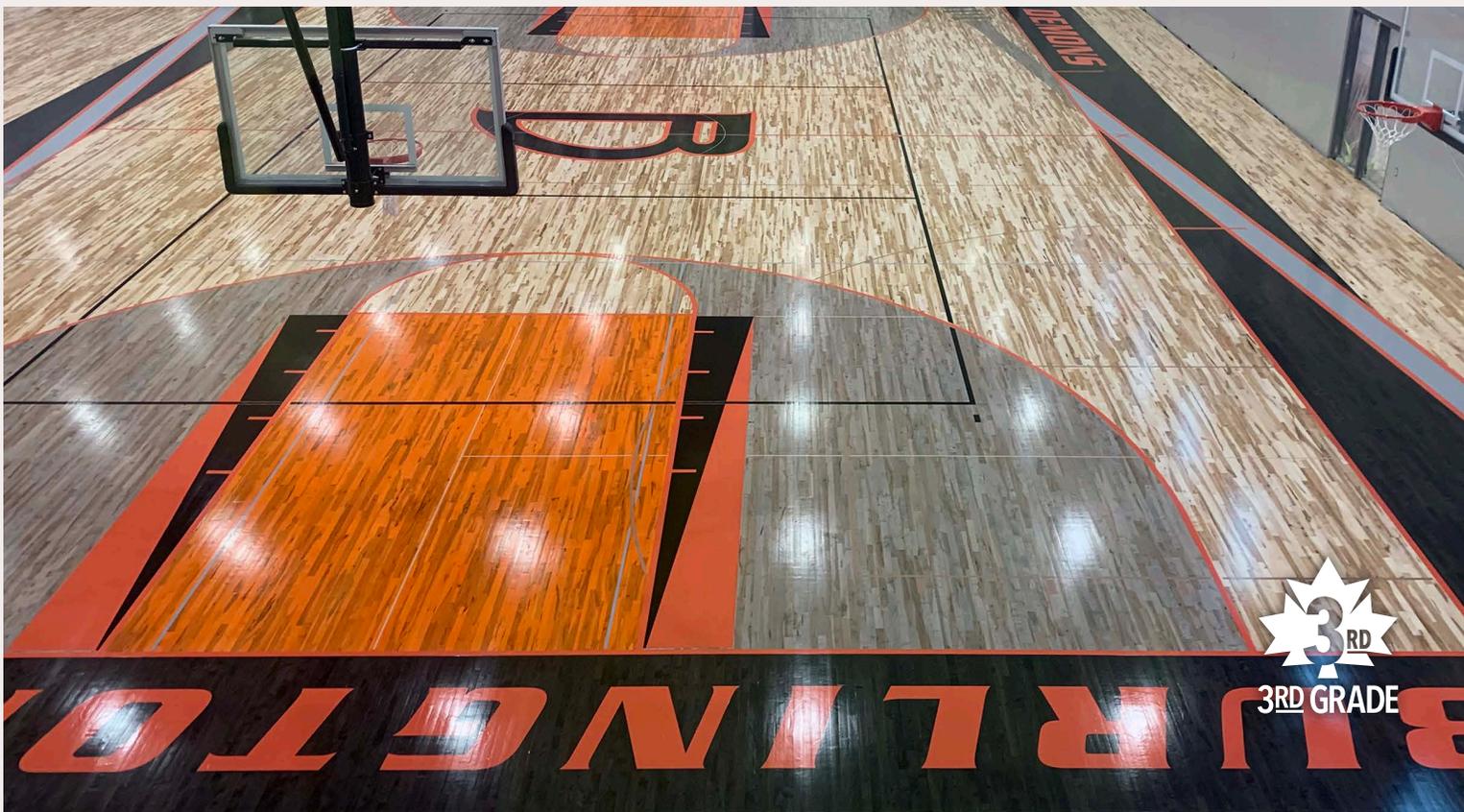
MultiStage™ HC

Certification	
Anchorage	Sectional Hat Channel
Green/LEED	
Resilience	1/2" (12mm) ECO Resilient Pad
Profile Height	2" (51mm)
Subfloor Construction	Two layers of 15/32" NOM. Exposure 1, APA Rated Sheathing

MultiStage™ HC is a computer designed dual stage resilient system that offers high performance with stability reduced vibration. It is the most versatile multi-sport system in the marketplace.



- 1. Precision-milled Aacer Maple
- 2. Engineered MultiStage™ Sub-floor
- 3. Steel Channel and Concrete Anchor
- 4. Vapor Retarder
- 5. 1/2" (12mm) ECO Resilient Pad



Dominique Wilkins SERIES

The Dominique Wilkins
Signature Series
unites Acer's proven
performance
with the style and spirit
of a true champion.

**NBA Hall-of-Famer
Dominique Wilkins—nine-
time All-Star and the
“Human Highlight Film”
—brings his lifelong
passion for growing the
game to Acer.**

Together, we created the
Dominique Wilkins Signature
Series—**Slam Dunk, Three
Point, and Free Throw**—
engineered to elevate
programs from grassroots
to pro.



For more information and system options, please visit www.AACERflooring.com

Slam Dunk

Certification	
Subfloor	Pre-assembled Panels
Green/LEED	
Resilience	3/4" (19mm) Open Cell Foam
Profile Height	2-1/4" (57mm)

ASBA's 2024 Game Changer Award



Slam Dunk's proprietary fluted grooves work in conjunction with resilient foam to provide optimal load response and shock absorption.

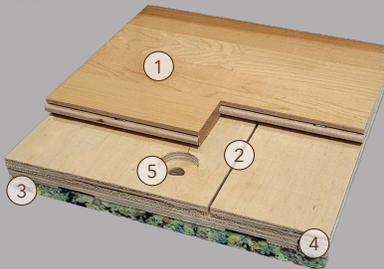


- 1. Precision-milled Aacer Maple
- 2. Resilient Cushion
- 3. Pre-assembled Subfloor Panel
- 4. Steel Channel and Concrete Anchorage

Three Point

Anchorage	Collared Steel Anchor
Subfloor	Pre-manufactured Panels
Green/LEED	
Resilience	9/16" (14mm) Open Cell Foam
Profile Height	2 1/4" (57mm)

Three Point design allows for vertical movement while keeping the subfloor surface in constant contact with the substrate creating dynamic ball response.

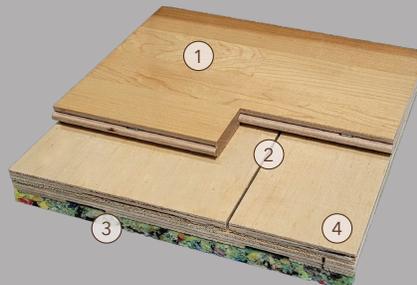


- 1. Precision-milled Aacer Maple
- 2. Performance Vent
- 3. Resilient Blanket Cushion
- 4. Pre-assembled Subfloor Panel
- 5. Collared Steel Anchor

Free Throw

System Type	Floating
Subfloor	Pre-assembled Panels
Green/LEED	
Resilience	9/16" (14mm) Open Cell Foam
Profile Height	2-1/4" (57mm)

The Free Throw system is designed to provide superior performance, durability, and ease of installation.



- 1. Precision-milled Aacer Maple
- 2. Performance Vent
- 3. Resilient Blanket Cushion
- 4. Pre-assembled Subfloor Panel

POWERPLAY SERIES

PowerPlay™ Panel

PowerPlay™ Panel provides desired shock absorption, basketball rebound, protective pad housing, airflow and stabilizing steel concrete anchorage.



- | | |
|-----------------------------------|---------------------------|
| 1. Acer MFMA Maple | 4. Recessed Panel Cushion |
| 2. Sectional Steel Channel Anchor | 5. Vapor Retarder |
| 3. Pre-engineered Panel | 6. Concrete |

Certification	
Anchorage	Sectional Channel
Green/LEED	
Resilience	3/4" (19mm) Open-Cell Polyurethane Foam
Profile Height	1 3/4" (44mm)
Subfloor Blocking	Machined Recessed Panels

PowerPlay™ Edge

PowerPlay™ Edge provides desired reactive resiliency, uniform basketball rebound, protective recessed pad housing and stabilizing concrete anchorage.



- | | |
|-------------------------------|-------------------------------|
| 1. Acer MFMA Maple | 4. Recessed ECO Resilient Pad |
| 2. Heavy-duty Concrete Anchor | 5. Vapor Retarder |
| 3. Pre-engineered Edge Panel | 6. Concrete |

Certification	
Anchorage	Collared Steel Drive Pin
Green/LEED	
Resilience	1/2" (12mm) ECO Pad
Profile Height	1 3/4" (44mm)
Subfloor Blocking	Machined Recessed Panels
System Design	



For more information and system options, please visit www.AACERflooring.com

PowerPlay™ Trax

Certification	
Anchorage	Steel Drive Pin / Lateral Movement Allowed
Green/LEED	
Resilience	3/4" (19mm) Blanket Cushion
Profile Height	2 1/2" (64mm)
Subfloor Blocking	Machined Recessed Panels
System Design	

PowerPlay™ Trax provides high shock absorption and basketball rebound, uniform performance and low vibration.



- 1. Acer MFMA Maple
- 2. Trax Plate Anchored to Slab
- 3. Pre-engineered Trax Panel
- 4. Resilient Trax Cushion
- 5. Vapor Retarder
- 6. Concrete

PowerPlay™ Cradle

Certification	
Anchorage	Collared Steel Drive Pin
Green/LEED	
Resilience	1/2" (12mm) ECO Pad
Profile Height	1 7/8" (48mm)
Subfloor Blocking	Machined Recessed Panels

PowerPlay™ Cradle provides desired resiliency and basketball rebound, protective recessed pad housing, beneficial airflow and stabilizing concrete anchorage.



- 1. Acer MFMA Maple
- 2. Heavy-duty Concrete Anchor
- 3. Pre-engineered Panel
- 4. Recessed ECO Resilient Pad
- 5. Vapor Retarder
- 6. Concrete

POWERPLAY SERIES

ReClaim II



- 1. Acer MFMA Maple
- 2. Pre-engineered Panels
- 3. Subfloor Anchor
- 4. 1/4" (6mm) ECO Resilient Pad
- 5. Existing Steel Channel
- 6. Concrete

Anchorage

Drill and Pin

Green/LEED



Resilience

1/4" (6mm)
ECO Resilient Pads

Profile Height

1 5/8" (41mm)

System
Design

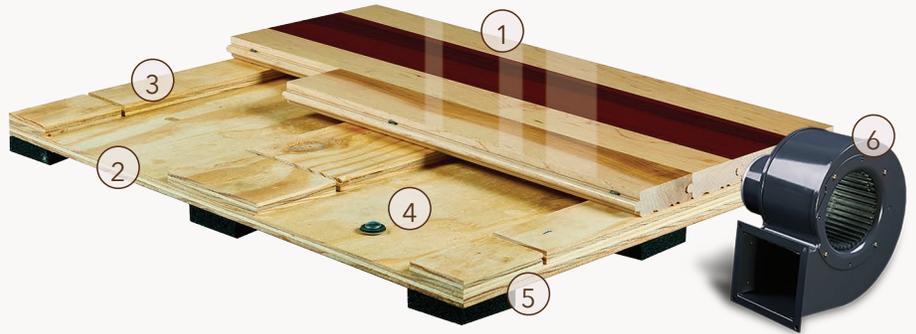


For more information and system options, please visit www.AACERflooring.com

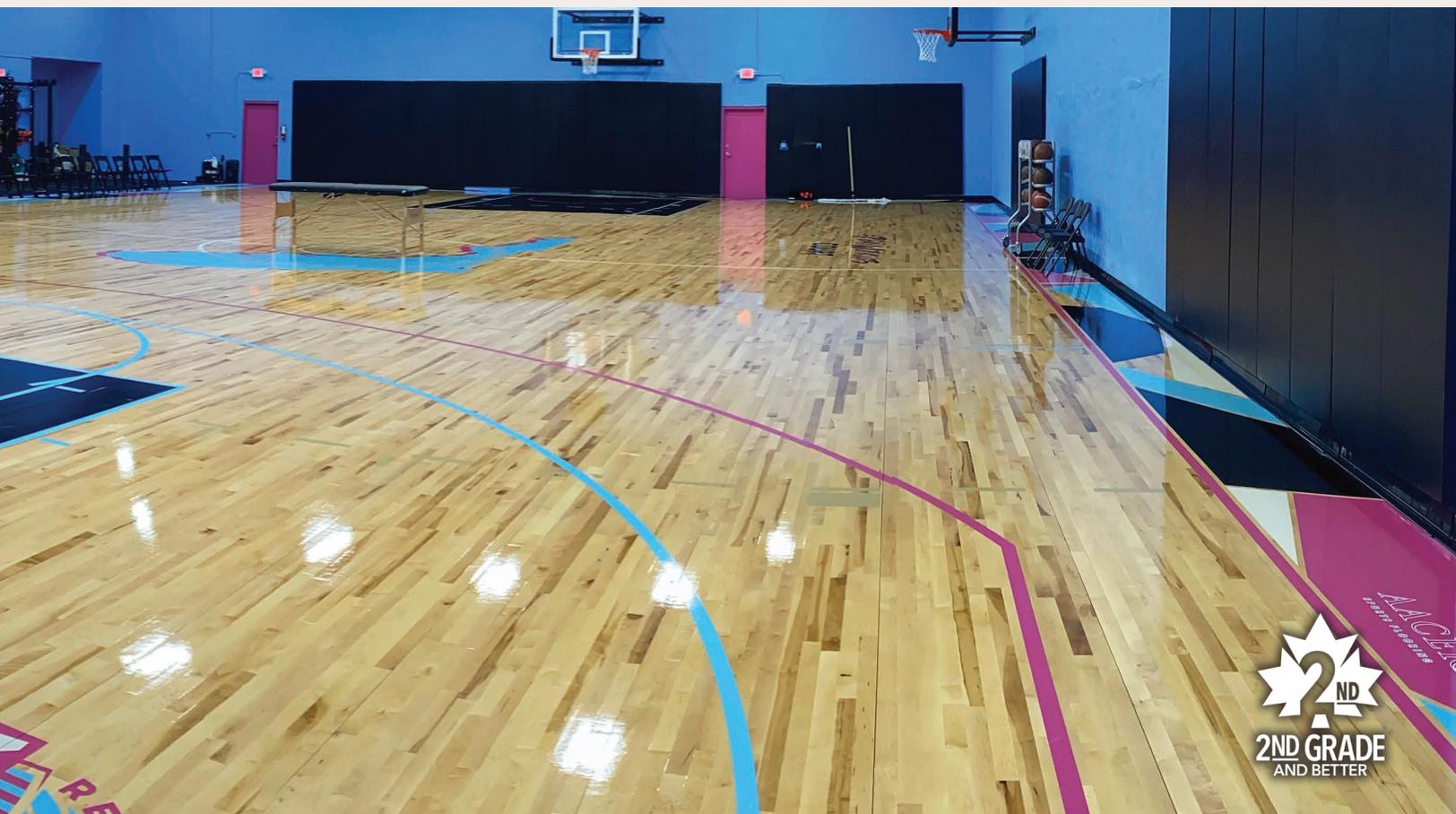
AacerBase

Certification	
Anchorage	Drill and Pin
Subfloor	Engineered Plywood Subfloor
Green/LEED	
Resilience	1/2" (12mm) ECO Resilient Pad
Profile Height	1 7/8" (48mm)

AacerBase offers an economical athletic floor option with very high shock absorption and good basketball response. Pre-manufactured subfloor panels with ECO resilient pads attached are secured to the concrete substrate to provide the environmental stability and force reduction of a fixed/resilient floor.



- | | |
|-----------------------------|----------------------------------|
| 1. Aacer MFMA Maple | 4. Subfloor Anchor |
| 2. AacerBase Subfloor Panel | 5. 1/2" (12mm) ECO Resilient Pad |
| 3. Flooring Nail | 6. PowerVent Airflow Option |



POWERSLEEPER SERIES

Anchored PowerLoc LP

Selected for new and retrofit sports floor applications, Anchored PowerLoc LP offers excellent reaction to athletic activities and desired resilient pad protection and provides excellent subfloor ventilation.



- 1. Acer MFMA Maple
- 2. Kiln-dried Pine Subfloor
- 3. Pre-engineered Plywood Sleeper
- 4. Steel Concrete Anchor with Anti-Squeak Bushing
- 5. 1/2" (12mm) ECO Resilient Pad
- 6. PowerVent Airflow System

Anchorage	Drill and Pin
Green/LEED	 
Resilience	1/2" (12mm) ECO Resilient Pad
Profile Height	2-1/4" (64mm)
Subfloor Blocking	Machine Recessed Sleeper



For more information and system options, please visit www.AACERflooring.com

Anchored PowerSleeper

Certification



Anchorage

Drill and Pin

Green/LEED



Resilience

1/2" (12mm) ECO
*Other pad options are available

Profile Height

2 5/8" (67mm)

This system fully engages the resilient pad ensuring uniform performance and increased structural stability. This system combines pre-engineered sleepers with a plywood underlayment for greater dimensional strength and stability.



1. Acer MFMA Maple

4. ECO Resilient Pad

2. 15/32" (12mm) Exposure 1, APA Rated Sheathing

5. Steel Concrete Anchor with Anti-Squeak Bushing

3. Pre-engineered Plywood Sleeper

6. PowerVent Airflow Option

Certification



Anchorage

Drill and Pin

Green/LEED



Resilience

1/2" (12mm) TriPower™ Pads
*Other pad options are available

Profile Height

2 5/8" (67mm)

This system fully engages the resilient pad inside a steel channel ensuring uniform performance and increased structural stability. It is suitable for new and retrofit sports floor applications and commercial projects. It can easily be shimmed.



1. Acer MFMA Maple

4. 1/2" (12mm) TriPower™ Pad

2. 15/32" (12mm) Exposure 1, APA Rated Sheathing

5. Vapor Retarder

3. Pre-engineered Steel Encased (SE) Plywood Sleeper

6. Steel Concrete Anchor

AACER FLEX SERIES

AacerFlex™ TP

AacerFlex™ TP is a performance sports floor system that meets the ergonomic needs of today's athlete through desired force reduction, increased energy return and outstanding ball rebound.



- 1. Aacer MFMA Maple
- 2. Two layers of 15/32" (12mm) Exposure 1 APA Rated Sheathing
- 3. 1/2" (12mm) TriPower™ Pad
- 4. PowerVent Airflow Option

Certification



Subfloor

Plywood

Green/LEED



Resilience

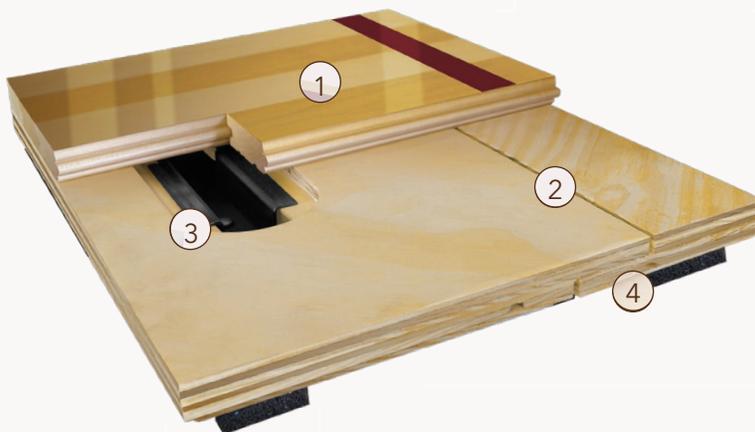
1/2" (12mm)
Dual-stage TriPower Resilient Pad
**Other pad options are available*

Profile Height

2 1/4" (57mm)

AacerChannel™ VLP HC

AacerChannel™ VLP HC provides the resiliency and safety of a floating floor and the stability of an anchored system. The floor's 100% factory assembled panels utilizing sectional Aacer Hat Channel ensures uniform performance and fast installation.



- 1. Aacer MFMA Maple
- 2. Integrated Panels form a Monolithic Subfloor
- 3. Sectional Steel Channel Vapor Retarder
- 4. ECO Pads

Certification



Anchorage

Drill and Pin

Green/LEED



Resilience

ECO Pad
**Other pad options are available*

Profile Height

1 7/8" (48mm)



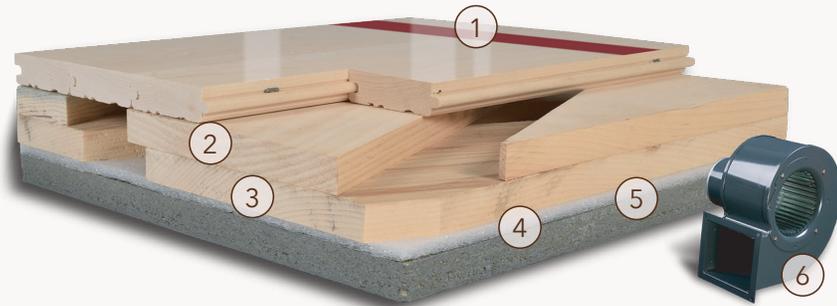
For more information and system options, please visit www.AACERflooring.com



SCISSORLOC SERIES

ScissorLoc™ I

ScissorLoc™ I provides an intersecting subfloor design for premium airflow and uniform play.



- | | |
|-----------------------------------|--------------------------------|
| 1. Acer MFMA Maple | 4. 1/4" (6mm) Performance Foam |
| 2. Kiln-dried Pine Upper Subfloor | 5. Vapor Retarder |
| 3. Kiln-dried Pine Upper Subfloor | 6. PowerVent Airflow System |

Certification



Subfloor

Intersecting
Kiln-dried Solid Pine

Green/LEED



Resilience

1/4" (6mm)
Performance Foam
**Other pad options
are available.*

Profile Height

2-1/2" (64mm)

ScissorLoc™ II

Certification



Subfloor

Intersecting
Kiln-dried Pine
Subfloor

Green/LEED



Resilience

1/4" Performance
Foam
**Other pad options
are available*

Profile Height

2-1/2" (64mm)

ScissorLoc™ II is a dimensionally stable system with excellent natural ventilation capabilities due to its intersecting solid wood subfloor component design. ScissorLoc II is designed to withstand heavy loads while still providing a resilient and controlled playing surface.



- | | |
|---------------------------------|--------------------------------|
| 1. Acer MFMA Maple | 4. 1/4" (6mm) Performance Foam |
| 2. Kiln-dried Pine Subfloor | 5. Vapor Retarder |
| 3. Excellent Ventilating Design | 6. PowerVent Airflow Option |



For more information and system options, please visit www.AACERflooring.com



Building on the success of our original PowerVent mechanical airflow system, our Advanced unit has expanded benefits over our first-generation design. In addition to monitoring and reacting to undesired conditions below the subfloor as provided in the initial PowerVent, our Advanced system monitors conditions above and below the floor.

BENEFITS

PowerVent Original

- Automatic moisture detection system
- Typically initiates required venting process before noticeable by school personnel
- Assists to inhibit mold growth
- Multiple blowers available related to room size
- Enhances stability and uniform performance
- Floor activity can continue during the drying process
- May be added after original floor installation
- Compatible with numerous floor system designs

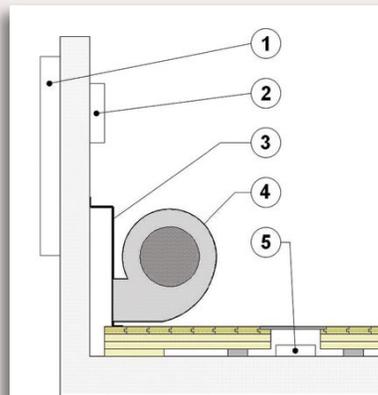
BENEFITS

PowerVent Advanced

- Ability to tie into facility's intranet
- Interfaced for balanced surface and subfloor conditions
- Optional alarm system when exceeding 85% humidity
- Available alert system for elevated CO2 levels
- Security and ease of mind for owners and facility managers

HOW IT WORKS

In addition to triggering advantageous mechanical ventilation related to damaging subfloor moisture or vapor, the PowerVent system is designed to monitor the humidity levels within your facility and respond to prevent damage to your sports floor system. PowerVent blowers are activated to reduce or add humidity when conditions fall out of the determined set range for your facility to balance wood moisture content.



1. Control Box in Outer Room
2. Above Floor Room Humidistat
3. Duct Work
4. PowerVent Blower
5. Below Floor Humidistat

AacerPLAY Portable Floor Systems

Resilience

Plastic Encased ECO Resilient Pads

Profile Height without Pads

• 2-3/4" (70mm)

Profile Height with Pads

• 3-1/4" (83mm)

Subfloor Construction

Laminated LVL Sleeper and 5-ply Exposure 1 Plywood

Testing Laboratory Partners



Website

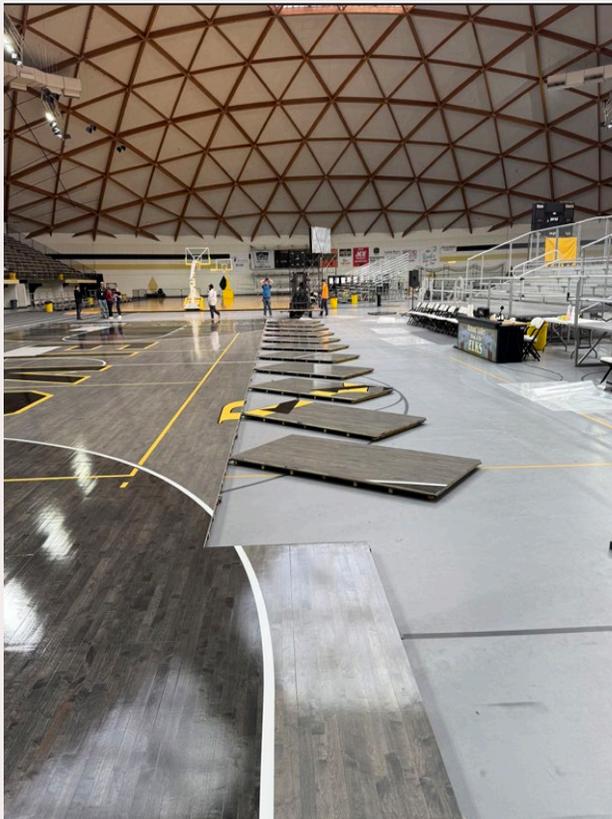
www.aacerflooring.com

Optional Accessories

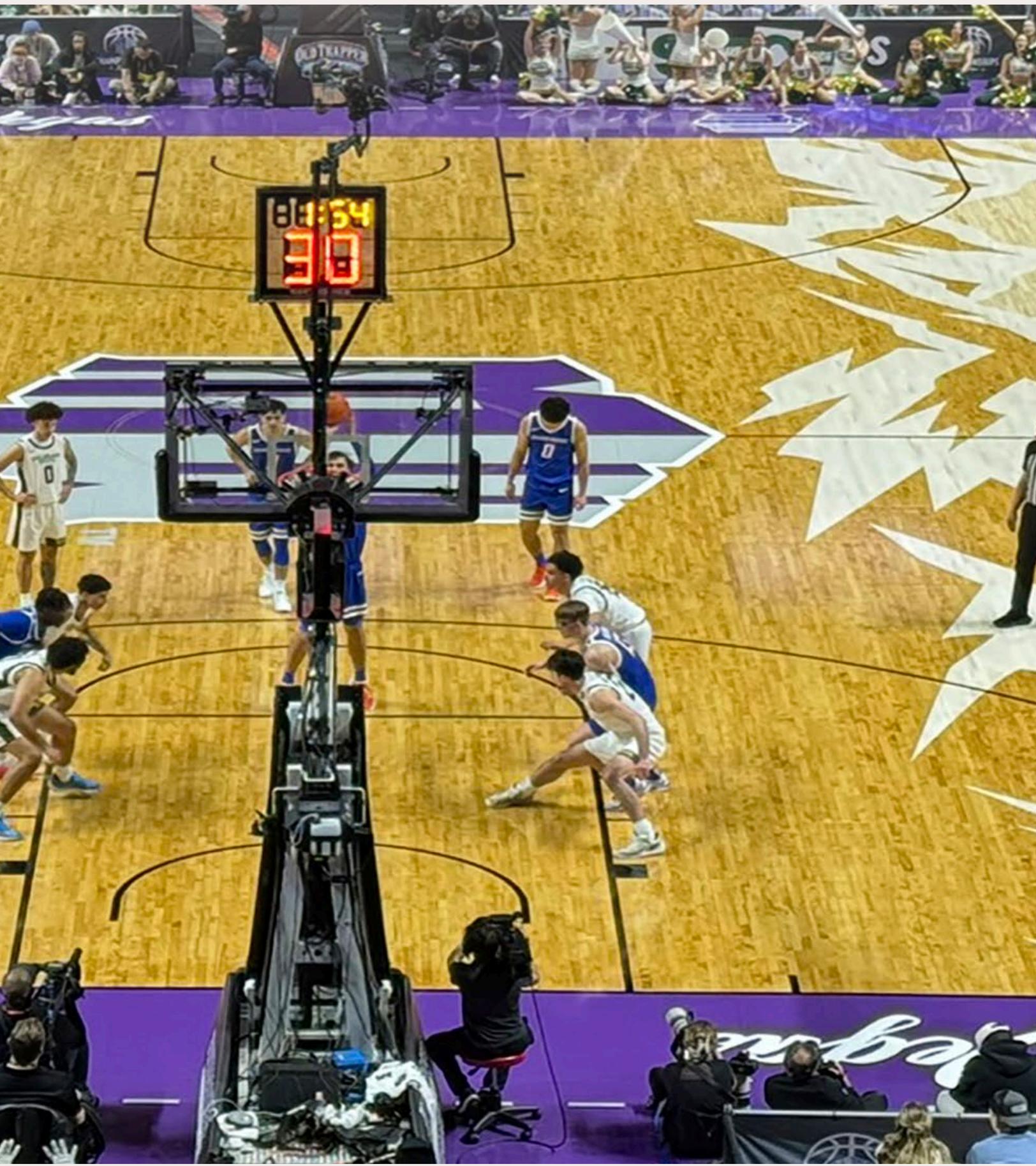
Rolling storage cart

Maintenance & Storage

Aacer offers a complete service package for your portable floor. Floors can be shipped to our facility for maintenance and climate controlled storage ensuring that your floor is in perfect condition for the next season.



For more information and system options, please visit www.AACERflooring.com

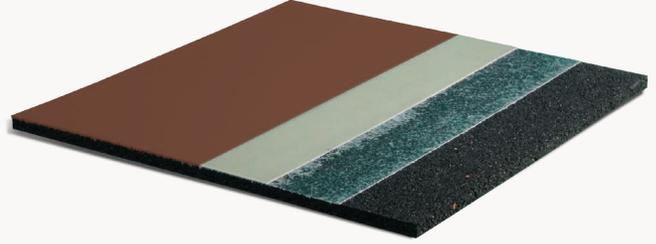


SYNTHETIC FLOORS

GYM APPLICATIONS

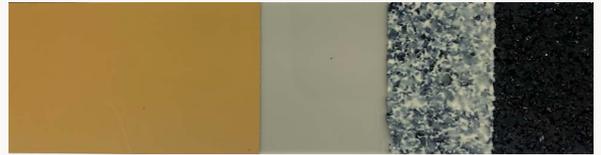
MP Sport™

MP Sport™ is a multi-use, seamless urethane, pad-and-pour athletic floor system. In addition to being available in an array of colors, MP Sport™ offers long life, low maintenance and multiple design options. It's the perfect choice for high-volume, multipurpose facilities and indoor running tracks.



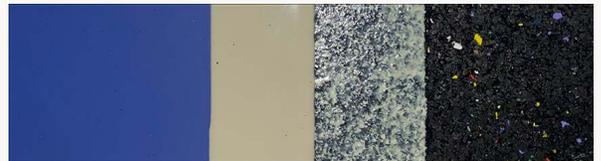
MP Sport Elite

MP Sport Elite is the same construction as the MP Sport™ with the exception of the higher physical properties incorporated into the urethane layer. This more durable layer makes this product perfect for installations where the space is also used for community based events.



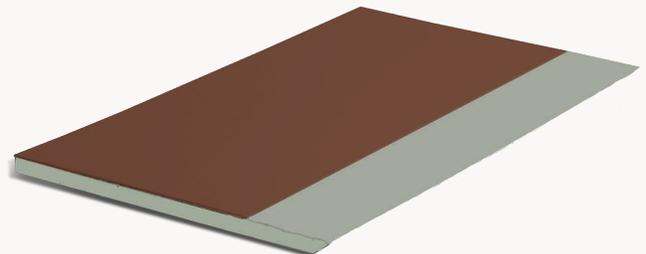
MP Sport JV

MP Sport JV is an excellent floor choice for those seeking a multi-purpose use that is very cost effective. The basemat incorporates a unique grind of recycled rubber that provides ample shock absorption to the athlete and also provides a very durable floor system.



MP Sport Overpour

MP Sport Overpour is a polyurethane “overpour” that will rejuvenate and renew your existing seamless polyurethane floor. The overpour consists of 2mm polyurethane, top coat color and line striping. No need for a different floor, just renew with the MP Sport Overpour.



WEIGHT ROOM APPLICATIONS

MP Court PVC



MP Court PVC is a foam backed vinyl sports flooring system that provides a shock absorbing surface for indoor recreational play. MP Court PVC features a long lasting wood design surface. The reinforced fiberglass interior layer results in excellent linear and dimensional stability. The heavy foam back is bacteria and microbe resistant.

MP Court RBV



MP Court RBV is a recycled rubber backed vinyl sports flooring system. The recycled shock absorbing layer provides excellent durability and is incredibly resilient in high traffic and use areas. MP Court RBV features a long lasting wood design surface. The reinforced fiberglass interior layer provides excellent traction and durability.

JV Elite™

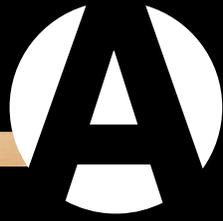


JV Elite is a recycled rubber floor system that holds up to high traffic and heavy use. Available in rolls, tiles and interlocking tiles, this product is versatile and performs well in a variety of applications: walking tracks, exercise/aerobic rooms, weight rooms and ice arenas.

MP Turf



MP Turf is a product that can be installed on the interior or exterior depending on your turf needs. Training facilities, sports fields or play area. MP Turf offers safety, durability and resiliency in an incredibly versatile product that is made to stand up to the rigorous demand of the sport enthusiast.



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