





INFINITY WOOD FLOORS



Infinity Wood Floors is a leading manufacturer of high-quality hardwood flooring along with Aacer Sport Flooring's sub-floor systems for the sports and recreational industry. Infinity Wood Floors MFMA Northern Hard Maple Flooring along with Aacer Sport Flooring systems makes for a winning combination.

Our kiln-dried wood is milled and graded to a high standard in our Crandon, WI production facility. Infinity Wood Floors prides themselves on delivering product that is consistent and of superior quality allowing for ease of installation. Aacer Sport Floors continue to receive high marks for vibration reduction, shock absorption, flooring resiliency, moisture resistance, and dead spot elimination. In addition to hardwood, Infinity Wood Floors also supplies synthetic flooring in a variety of textures, colors, and gauges to fit your project needs and budget.

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

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



SELECTING YOUR AACER SPORTS FLOOR

Sports flooring is not a "one size fits all". For this reason, the Series options offered by Infinity are engineered to fit different activities, levels of play, performance and budget.

Our Infinity Wood Floors team works with architects, school administrators, athletic directors and coaches to learn about the individual needs of the project. From there, Infinity Wood Floors 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 will need to bear.

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.

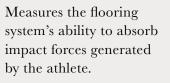
TESTING STANDARDS

To get detailed information on the testing standards, contact your Infinity Wood Floors representative.



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.







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



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



INFINITY HARDWOOD MAPLE GRADES

Infinity's 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

Infinity Wood Floors, 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 have been designed, utilize exacting testing methodologies, to ensure that customers receive a reliable, well performing, competitive sports surface.







FIBA

FIBA, the International Basketball Federation, sets standards for basketball equipment and facilities as required for international basketball competition. Aacer Sports Flooring is a partner of the FIBA Equipment and Venue Centre. Aacer floor systems meeting FIBA standards are available.











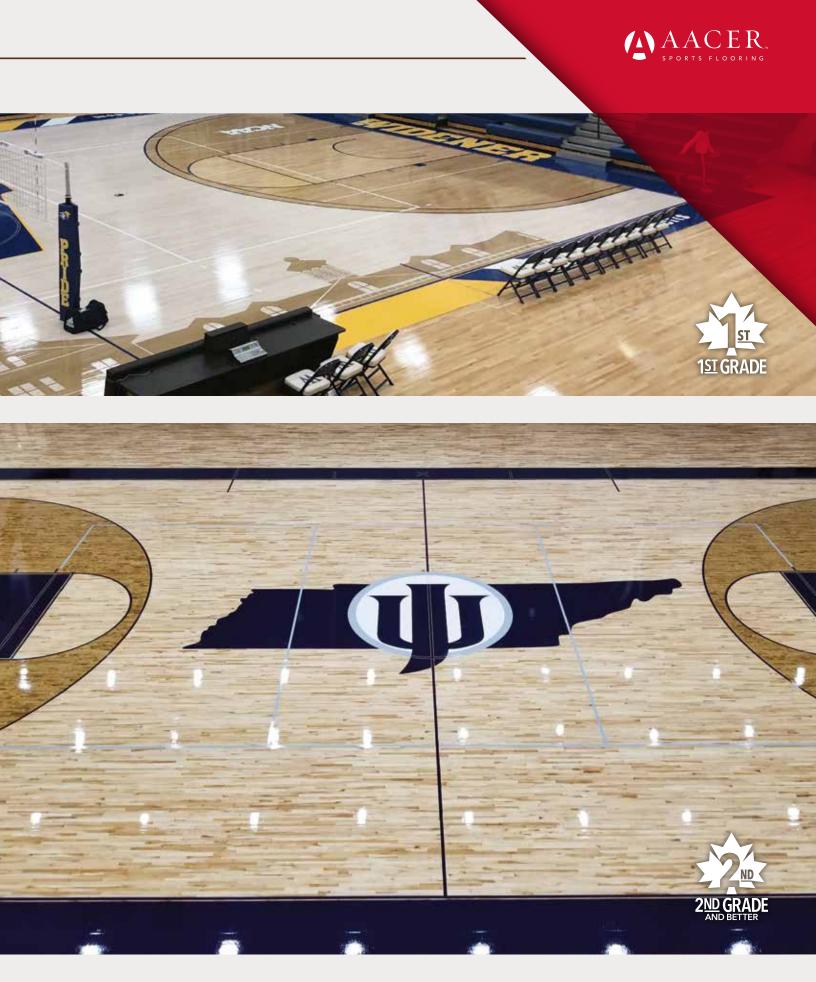
HARDWOOD SYSTEMS

Infinity Wood Floors 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



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| MultiSlage10 <t< th=""><th></th><th>PG</th><th>FLOATING</th><th></th><th></th><th></th><th></th><th>CC FOAM</th><th>OC FOAM</th><th>TRIPOWER</th><th>ECO</th><th>PROFILE (25/32" FLG)</th></t<> | | PG | FLOATING | | | | | CC FOAM | OC FOAM | TRIPOWER | ECO | PROFILE (25/32" FLG) |
| MultiSage HC 11 Image: Same state s | MULTISTAGE SERIES | | | | | | | | | | | |
| POWERPLAY SERIES Image: Control of the series of the ser | MultiStage | 10 | | | | | | | | | | 2" |
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| Powerlay Edge 12 | POWERPLAY SERIES | | | | | | | | | | | |
| Andreg Par Same Same Same Same Same Same Same Same | PowerPlay Panel | 12 | | | | | | | | | | 1 3/4" |
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| AACERCHAINNEL SERIES AacerChannel VLP HC 14 14 14 16 17.8° AacerChannel VLP HC 14 14 16 16 17.8° 17.8° POWERSLEEPER SERIES AacerChannel VLP 16 16 16 17.8° 17.8° Anchord PowerJoc LP 17 17 16 16 16 16 16 16 16 16 17.8° Anchord PowerJoc LP 17 17 16 16 16 16 16 16 16 16 17.8° Anchord PowerJoc LP 17 17 16 16 16 16 16 16 17.8° PowerJoc PowerJoc PowerJoc 17 16 16 16 16 16 16 16 17.8° PowerJoc PowerJoc PowerJoc 17 16 16 16 16 16 17.8° Solosotoc III 18 18 16 16 16 17.8° 17.8° Solosotoc III 19 16 16 16 16 16 17.8° | PowerPlay Trax | 13 | | | | | | | | | | 2 1/2" |
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| AacerChannel VLP1416< | AacerChannel VLP HC | | | | | | | | | | | 1 7/8" |
| POWERSLEEPER SERIES Image: Series of the serie | | | | | | | | | | | | |
| Anchored PowerLoc LP 16 Image: Selection of the | | | | | | | | | | | | |
| Anchord PowerSleeper 17 Image: State of the state of | | | | | | | | | | | | 2 1/// |
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| ScissorLoc III***< | ScissorLoc I | | | | | | | | | | | 2 1/2" |
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| PGFLOATINGFIXED RESILIENTENGINEERED SUEEPER2x3 softwoodPLYWOOD | | * | | | | | | | | | | |
| RESILIENTSLEEPERSOFTWOODPANEL(25/32"FLBASIC SERIESAcerFlex TP20CCCC21/4"AcerBase21CCCCC21/4"AcerCush I*CCCC25/8"AcerCush II20CCCCC21/8"AcerCush I Anchored*CCCC21/8"AcerCush I Anchored*CCCC21/8" | integrate | | | | | | | | | | | |
| AacerFlex TP 20 20 21/4" AacerBase 21 21 21/4" AacerCush I * 20 21/4" AacerCush I + * 20 21/4" AacerCush II 20 20 21/4" AacerCush I Anchored * 20 21/4" | | PG | FLOATING | FIXED RESILIENT | | | PLYWOOD PANEL | CC FOAM | PVC | TRIPOWER | ECO | PROFILE (25/32" FLG |
| AacerFlex TP 20 20 21/4" AacerBase 21 21 21/4" AacerCush I * 20 21/4" AacerCush I + * 20 21/4" AacerCush II 20 20 21/4" AacerCush I Anchored * 20 21/4" | BASIC SERIES | | | | | | | | | | | |
| AacerBase 21 Image: Constraint of the state of t | AacerFlex TP | 20 | | | | | | | | | | 2 1/4" |
| AacerCush I+ * | AacerBase | | | | | | | | | | | |
| AacerCush II 20 Image: Constraint of the second of th | AacerCush I | * | | | | | | | | | | |
| AacerCush I Anchored * 2 5/8" | AacerCush I+ | | | | | | | | | | | - |
| | AacerCush II | | | | | | | | | | | |
| AzerCush I+ Anchored * 31/8" | AacerCush I Anchored AacerCush I + Anchored | | | | | | | | | | | 2 5/8" 3 1/8" |

*Visit our website for additional information at **www.AACERflooring.com**

INFINITY MULTISTAGE SERIES

MultiStage

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



- 1. Infinity MFMA Maple
- 2. Prefabricated Edge Panel
- 3. Recessed ECO Resilient Pad

Anchorage Drill and Pin Green/LEED Resilience 1/2" (12mm) ECO Profile Height

Subfloor Blocking Resilient Pad

2" (51mm)

Machine Recessed Sleeper





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



MultiStage HC

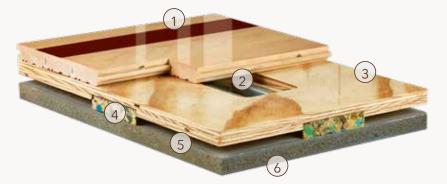
| Anchorage | Sectional Steel Channel | MultiStage HC is a computer designed dual stage resilient system that offers high performance with stability reduced vibration. It is the most | | | | | |
|--------------------------|----------------------------------|---|--|--|--|--|--|
| Green/LEED | ا الله ال | versatile multi-sport system in the | versatile multi-sport system in the marketplace. | | | | |
| Resilience | 1/2" (12mm) ECO Resilient Pad | 3 | 2 | | | | |
| Profile Height | 2" (51mm) | 1.1 | 4 | | | | |
| Subfloor Construction | Pre-manufactured Panels | 5 | 6 | | | | |
| | | 1. Infinity MFMA Maple | 4. Vapor Retarder | | | | |
| | | 2. Integrated Panels form a | 5. 1/2" (12mm) ECO Resilient Pad | | | | |
| | | Monolithic Subfloor | 6. Concrete | | | | |
| | | 3. Sectional Steel Channel | | | | | |
| | | | | | | | |
| | | | | | | | |



Wood Floors POWERPLAY SERIES

PowerPlay[™] Panel

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



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

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



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



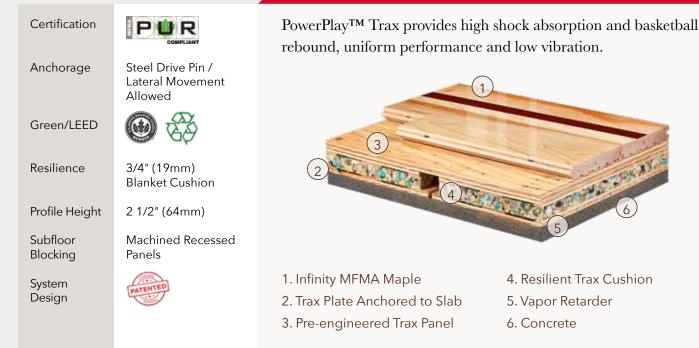
Certification



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



PowerPlay[™] Trax



Certification

Anchorage

Green/LEED

Resilience

Profile Height

Subfloor Blocking PUR

Collared Steel

1/2" (12mm) ECO Pad

1 7/8" (48mm)

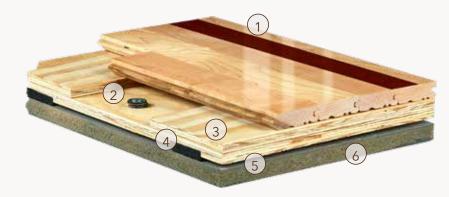
Panels

Machined Recessed

Drive Pin

PowerPlay[™] Cradle

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



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

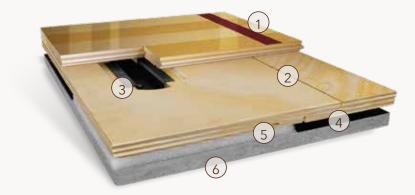




INFINITY AACERCHANNEL SERIES

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. Ideal for facility retrofits and facilities requiring lower profiles.

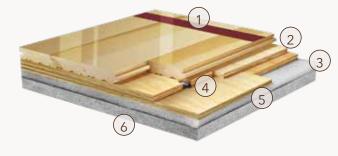


Certification Drill and Pin Anchorage Green/LEED Resilience 1/2" (12mm) Performance Foam *Other pad options are available **Profile Height** 1 7/8" (48mm)

- 1. Infinity MFMA Maple
- 2. Integrated Panels form a Monolithic Subfloor
- 4. Vapor Retarder
- 5. 1/2" (12mm) Performance Foam
 - 6. Concrete
- 3. Anchored Steel Hat Channel

AacerChannel[™]VLP

AacerChannel[™] VLP is a fixed resilient sports performance floor system that features a monolithic subfloor with full flex and a full thickness APA engineered underlayment to maximize system performance. The result is a floor with increased stability, shock absorbency, energy return and low vibration.



- 1. Infinity MFMA Maple
- 2. Integrated Panels form a Monolithic Subfloor
- 4. Collared Steel Drive Pin
- 5. Vapor Retarder
- 6. Concrete
- 3. 1/2" (12mm) Performance Foam



- Certification
- Anchorage

Green/LEED





Resilience

1/2" (12mm) Performance Foam *Other pad options

Profile Height



are available

17/8" (48mm)





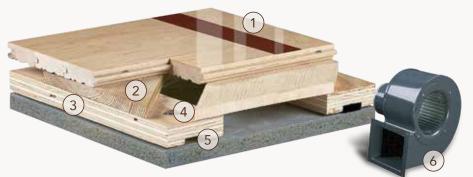




INFINITY POWERSLEPER SERIES

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. Infinity 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 | نې 🕲 |
| Resilience | 1/2" (12mm) ECO Resilient Pad |
| Profile Height | 2-1/4" (64mm) |
| Subfloor Blocking | Machine Recessed Sleeper |
| | |

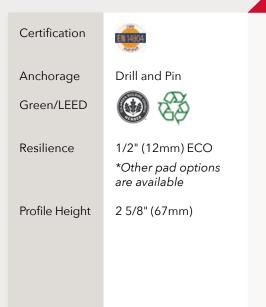




For more information and system options, please visit www.AACERflooring.com



Anchored PowerSleeper



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. Infinity MFMA Maple
- 2. 15/32" (12mm) Exposure 1, APA Rated Sheathing
- 3. Pre-engineered Plywood Sleeper
- 4. ECO Resilient Pad
- 5. Steel Concrete Anchor with Anti-Squeak Bushing
- 6. PowerVent Airflow Option

Anchored PowerSleeper SE

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. Infinity MFMA Maple
- 2. 15/32" (12mm) Exposure 1, APA Rated Sheathing
- 3. Pre-engineered Steel Encased (SE) Plywood Sleeper
- 4. 1/2" (12mm) TriPower™ Pad
 5. Vapor Retarder
- 6. Steel Concrete Anchor



AnchorageDrill and PinGreen/LEEDImage: Comparison of the pade options are availableResilience1/2" (12mm)
TriPower™ Pads
*Other pad options are availableProfile Height2 5/8" (67mm)

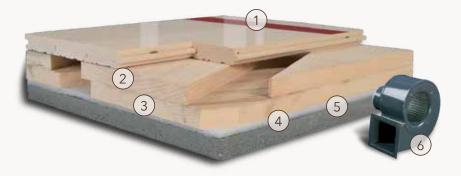
Certification

17



ScissorLoc[™] I

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



Certification



Intersecting Kiln-dried Solid Pine

Green/LEED

Resilience

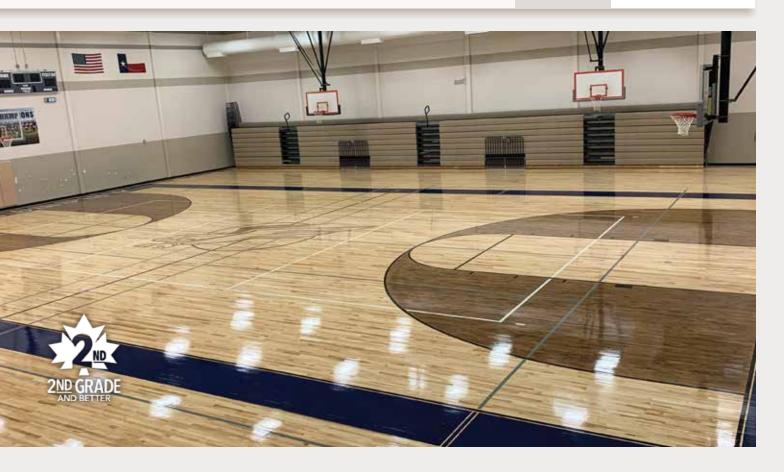
Subfloor



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

Profile Height 2-1/2" (64mm)

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



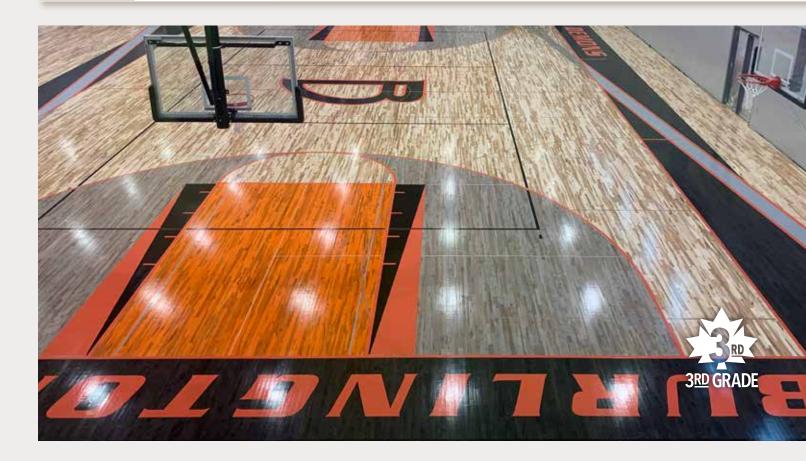


For more information and system options, please visit **www.AACERflooring.com**



ScissorLoc[™] II







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.

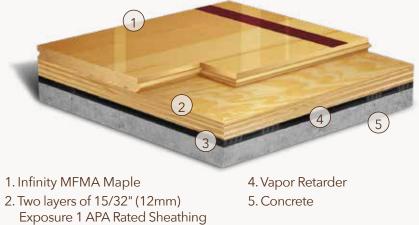


- 1. Infinity MFMA Maple
- 2. Two layers of 15/32" (12mm) Exposure 1 APA Rated Sheathing
- 3. 1/2" (12mm) TriPower[™] Pad 4. PowerVent Airflow Option



AacerCush II

Increased structural integrity, shock absorbency and energy return makes the AacerCush II athletic flooring system a selection for field houses, gymnasiums, dance floors, stages, multipurpose rooms and combination synthetic and wood floor facilities.



3. 3/8" (10mm) AacerCush **Resilient Pad**

- Plywood Green/LEED 3/8" (10mm)
 - AacerCush Pads
- **Profile Height** 2 1/8" (54mm)

Certification

Subfloor

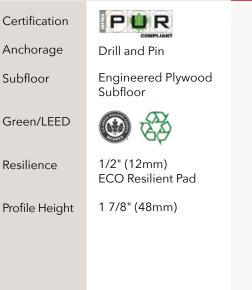
Resilience



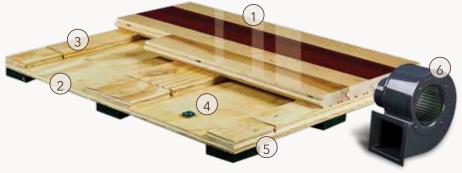
For more information and system options, please visit www.AACERflooring.com



AacerBase



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. Infinity MFMA Maple
- 2. AacerBase Subfloor Panel
- 3. Flooring Nailer

- 4. Subfloor Anchor
- 5. 1/2" (12mm) ECO Resilient Pad
- 6. PowerVent Airflow Option

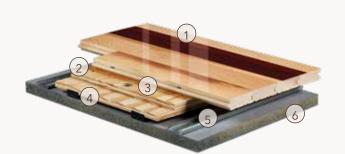




Hardwood floors designed 100 years ago were intended for heavy-duty use in factories, warehouses and post offices. From the 1920's into the 1980's they were frequently chosen for athletic floor projects even though not engineered for gymnasium use. There is a good chance that the floor you are replacing now was never designed for athletic activities nor has beneficial shock absorbing characteristics.

Our ReCLAIM Series options are specifically designed to remedy your outdated floor.

ReClaim II



- 1. Infinity MFMA Maple
- 2. Pre-engineered Panels
- 3. Subfloor Anchor

- 4. 1/4" (6mm) ECO Resilient Pad
- 5. Existing Steel Channel
- 6. Concrete

Anchorage

Green/LEED



Drill and Pin

Resilience

1/4" (6mm) ECO Resilient Pads

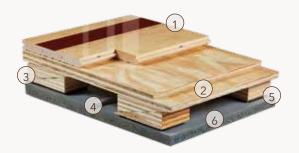
Profile Height

System Design 1 5/8″ (41mm)





ReClaim III



- 1. Infinity MFMA Maple
- 2. Pre-engineered Panels
- 3. Leveling Wedges
- 4. Uneven Substrate5. 1/4" (6mm) ECO Resilient Pad
- 6. Vapor Retarder

Green/LEED

Resilience

1/4" (6mm) ECO Resilient Pads

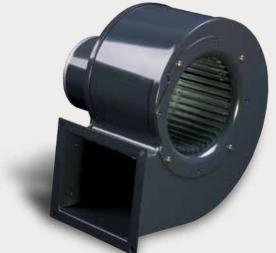
Profile Height

System Design 3 1/4" - 4 1/4" (83mm - 108mm)

Adjustable







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



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.

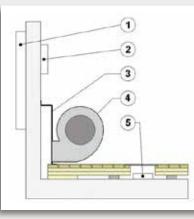
BENEFITS

PowerVent 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.

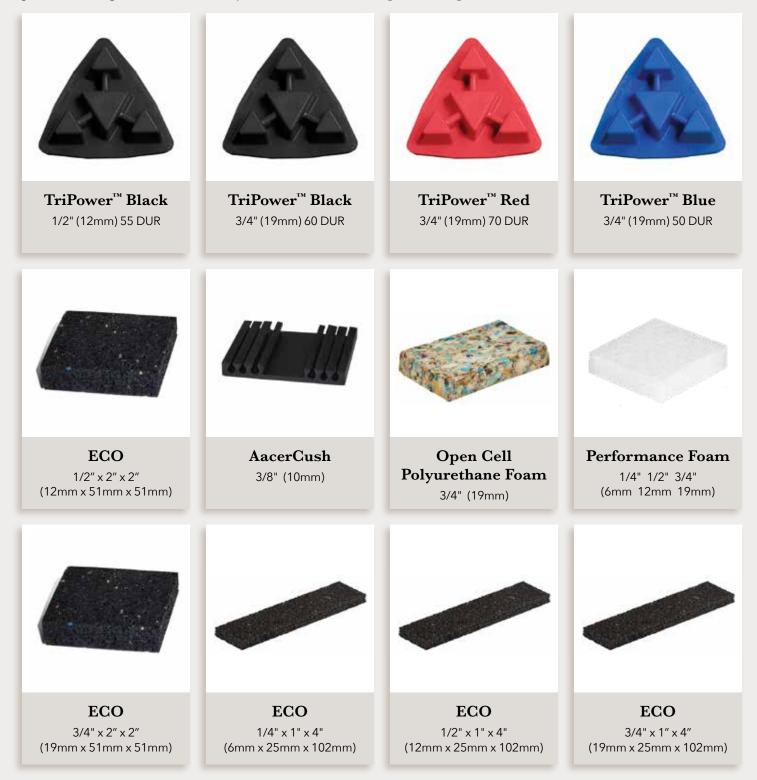


- 1. Control Box in Outer Room
- 2. Above Floor Room Humidistat
- 3. Duct Work
- 4. PowerVent Blower
- 5. Below Floor Humidistat



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.





SYNTHETIC FLOORS

Infinity Wood Floors' synthetic sport surfaces are available in a variety of composite materials to fit every budget and application. Synthetic floors are versatile, easy to maintain and are perfect for multipurpose gyms, locker rooms, weight rooms and fitness areas.







GYM APPLICATIONS

MP Sport[™]

MP Sport[™] is a multi-use, seamless urethane, pad-andpour 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.

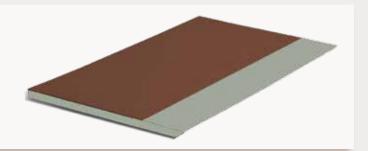
MP Sport JV

MP Sport JV is an excellent floor choice for those seeking a multipurpose 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

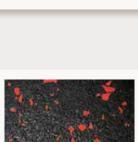
MP Court RBV is a recycled rubber backed vinyl sports flooring system. The recycled shock absorbing layer provides excellent durability and is incredibly resilient in high traffic and use areas. MP Court RBV features a long lasting wood design surface. The reinforced fiberglass interior layer provides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

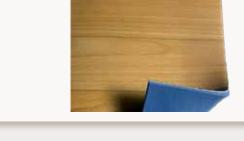
JV Elite[™]

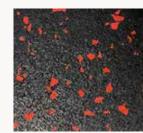
JV Elite is a recycled rubber floor system that holds up to high traffic and heavy use. Available in rolls, tiles and interlocking tiles, this product is versatile and performs well in a variety of applications: walking tracks, exercise/aerobic rooms, weight rooms and ice arenas.

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.















AacerFlooring.com InfinityWoodFloors.com



January 2023