



# FEEL THE DIFFERENCE...



*Commitment to improving the long term health, safety, and performance of the athlete is our PURPOSE.  
Designing and building the best sports floors in the industry is our PASSION.*



*“The consistency of the floor in its resiliency, shock absorption, performance and feel regardless of the location you may be on the floor has been outstanding. As one of my coaches stated to me, “in my experience, the floor has done a great job of improving shock absorption and helping keep the wear and tear injuries of tendonitis and stress fractures down to a minimum. We enjoy playing on it.”*

**William S. Husak, Ph.D., Athletics Director, Loyola Marymount University**



# MVP®

(MAXIMUM VIBRATION PROTECTION)  
PATENT # 7,694,480

THE MOST INNOVATIVE  
**DESIGN** ON THE MARKET

## Why choose MVP?

Only the MVP by Robbins is tuned specifically to take your athletic performance, safety and comfort to maximum levels. This **UNIQUE** one-of-a-kind floor system is like no other sports floor design!

Robbins' innovative design focuses on optimizing biomechanical interaction between athlete and floor by minimizing vibration and maximizing uniformity, while maintaining proper energy return. As a result, Robbins MVP system improves performance, comfort, and safety.

Independent research by human performance/biomechanics expert, Dr. Benno Nigg, shows that the MVP system is “*in a special category by itself*” and the difference in MVP “*was substantial with respect to damping time, vibration frequency, and uniformity*”.

Loyola Marymount  
Robbins MVP  
Installed by: Pacific Floor Company



*“The Robbins MVP system has been performing like a champ and has exceeded our expectations. The playability and comfort of the new floor has been the talk of the locker rooms and the Athletic Department. We can already tell that the MVP system was designed with player safety in mind; it should really help keep the athletic injuries to a minimum.”*

**Jason Wilson, Associate AD of Facilities, Events & Operations, George Washington University**

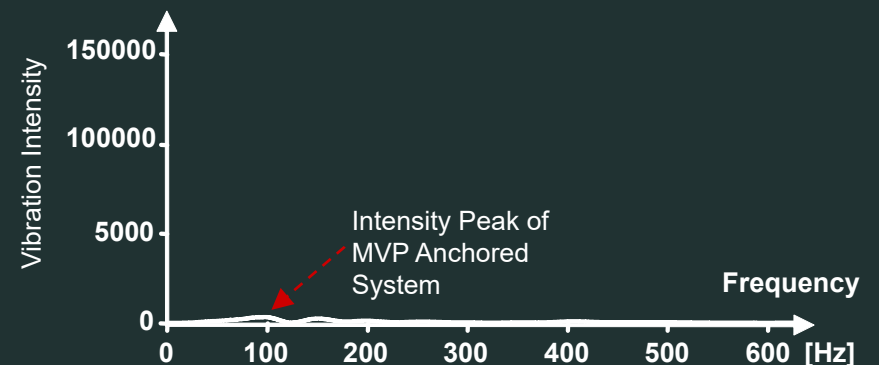
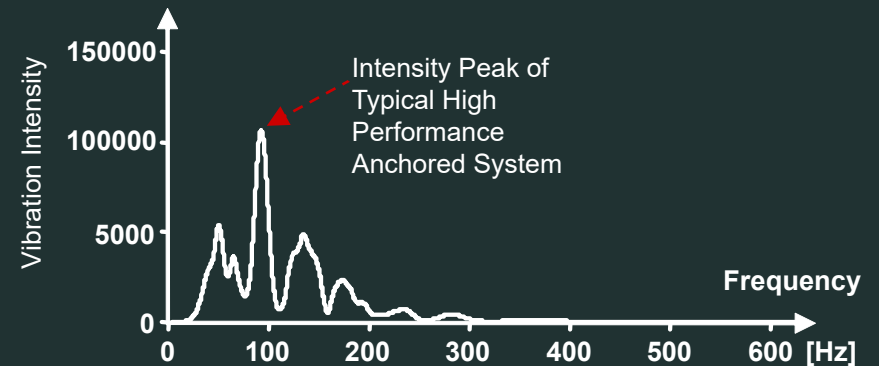
George Washington University  
Robbins MVP  
Installed by: Weyer's Floor Service

## 3<sup>RD</sup> PARTY TESTED TO EXCEED ALL INDUSTRY STANDARDS *WORLDWIDE*

FIRST Bio-Channel® Classic, and now MVP, the only *Biomechanically Researched* sports floors of their kind on the market. **No other floor system** compares with MVP's **PERFORMANCE** and **VIBRATION PROTECTION**. MVP was specifically developed in conjunction with athletes and has been independently researched, tested and client verified.

Biomechanical Research of the MVP validates interaction of the athlete and floor from point of impact through lift-off, going beyond all worldwide industry standards that test for dynamics of impact only. Results of the biomechanical research reveals the excellent quality of the MVP vibration damping and tuning of frequency that benefits the athlete.

### VIBRATION INTENSITY & FREQUENCY



*“Coach and player alike recognize the quality of the floor. There are no dead spots and it has a uniform feel. The construction of the floor makes the impact easier on the joints and saves some wear on your knees over the course of the season. If you’re considering a the MVP system, you won’t be disappointed in spending a few extra dollars for it. It’s held up just like any other floor system, but is noticeably better for practice and playing.”*

**Peter Warden, Director of Men’s Basketball Operations, Texas A&M**





## ELIMINATES BAD VIBRATIONS

### *VIBRATION = FATIGUE*

The fatiguing effects of vibration on athletic performance and safety are well understood in sports like running, skiing and swimming. Only Robbins has applied that understanding to improve sports flooring designs for athletes of all ages, sizes and abilities.

The human body is a highly-sophisticated system that responds to impact force through muscle adaptation, or “muscle-tuning” to significantly reduce vibration. Scientific studies show that when muscle vibrations are controlled, player comfort is improved and energy is conserved.

### **LESS FATIGUE MEANS ATHLETES STAY FRESHER, LONGER!**

#### MVP's PERFORMANCE and VIBRATION PROTECTION:

- *Safeguards the Well-Being of the Athlete*
- *Ensures Unparalleled Game-Play Performance*
- *Delivers Unmatched Uniformity of Athletic Performance and Long-Term superior game play response*
- *Provides Superior Structural Integrity, for peace-of-mind of facility owners*

Texas A&M  
Robbins MVP  
Installed by: N.A.H. Inc.



Minnesota Timberwolves Practice Facility  
Robbins MVP  
Installed by: Anderson Ladd

*“It was clear to our coaches, ADs, and others involved in the evaluation process that the MVP system was far superior to anything else we had seen on the market.”*

Glen Van Andel, Re.D., Co-Chair, Facility Planning Team, Calvin College







Calvin College  
Robbins MVP  
Installed by: Foster Specialty Floors

## UNIFORMITY MAKES ALL THE DIFFERENCE

*UNIFORMITY = CONSISTENT PERFORMANCE*

Delivering uniform biomechanical and game-play performance characteristics throughout a playing surface are just as important as controlling impact vibration. Scientific studies have shown non-uniform surfaces force athletes' muscles to constantly adapt, increasing energy consumption and fatigue.

**EVERY DRIBBLE FEELS THE SAME, REBOUNDS THE SAME, SOUNDS THE SAME!**

- MVP ball rebound lab-tests at an unheard of 103% and field-tests at 100% (+/- 1%) (3-5% greater and 3-10 times more consistent\*)
- MVP isolates the playing surface from the effects of the underlying concrete and from other players
- MVP dampens vibration 3-6 times faster\*

*\*In comparison to other performance systems. Note: MVP designs are protected by one or more patents.*

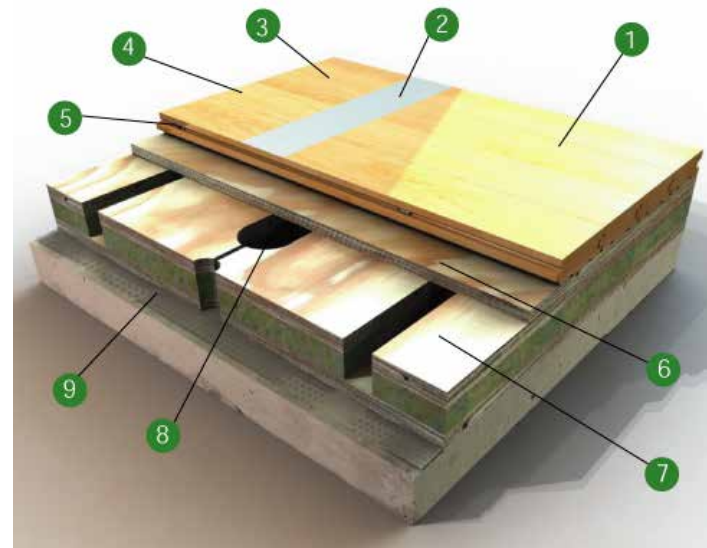


Creighton University  
Robbins MVP  
Installed by: Anderson Ladd

# MVP® PRODUCT DETAILS

## SYSTEM FEATURE BUILDUP (TOP TO BOTTOM):

1. Finish – MFMA approved Finish
2. Gamelines – Compatible Gameline Paint
3. Sealer – MFMA approved Sealer
4. Flooring – 25/32” (20mm) Continuous Strip® XL Finger-Jointed (FJ), MFMA Northern Hard Maple Strip Flooring
5. Flooring Fastener 1 3/4” (44mm) staples or flooring cleats
6. Subfloor – 1 layer of nominal 3/8” x 24” x 96” (9mm x 60cm x 2438mm), Exposure 1, structural rated sheathing
7. Anchor – Anchor spike and retainer
8. Subfloor – Fully laminated MVP panel with built in resilient layer
9. Vapor Retarder – 6-mil polyethylene film



### System Height:

- 2 5/8” (67mm) with 1/2” (13mm) thick Flooring
- 2 7/8” (73mm) with 25/32” (20mm) thick Flooring
- 3 1/8” (79mm) with 33/32” (26mm) thick Flooring

**\*\*SPECIFIER NOTE:** This system is patent protected, therefore there are **NO EQUALS** or **GOOD ALTERNATES** to MVP. The MVP system should **NOT** be listed as a basis of design with equals. For public bid purposes, MVP should be listed as an approved alternate.

## MVP BELIEVERS:

- Toronto Raptors, Air Canada Centre, Training Center
- Oklahoma City Thunder, Training Center
- LMU | LA Loyola Marymount, Gersten Pavilion
- Texas A&M, Cox-McFerrin Center
- Oregon State University, Training Center
- New England College, Bridges Gym
- Hillsdale College (*installs in 2013*)
- University of Iowa, Carver-Hawkeye Arena
- Grand Rapids Community College
- Rushforth Hasselwood YMCA, Seattle, WA
- New Orleans Pelicans, Training Center (*installs in 2013*)
- Rutgers University, The “RAC”
- George Washington University, Charles E. Smith Center
- Southern Methodist University (*installs in 2013*)
- University of Toronto, Hart Hall
- University of South Carolina Upstate
- Calvin College, Spoelhof Fieldhouse Complex
- Robert Lee YMCA, Vancouver, BC Canada
- Chicago Hope Academy Athletic Center (formerly ATTACK Athletics)



Robert Lee YMCA  
Robbins MVP  
Installed by: Centaur Products

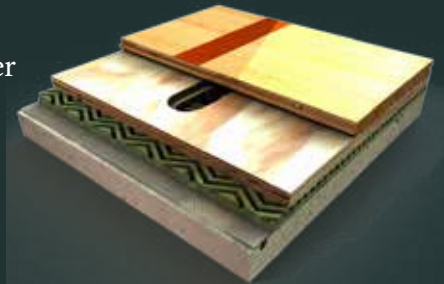


Oregon State University  
Robbins MVP  
Installed by: Brandsen Hardwood Floors

## OTHER ROBBINS VIBRATION CONTROL SYSTEMS:

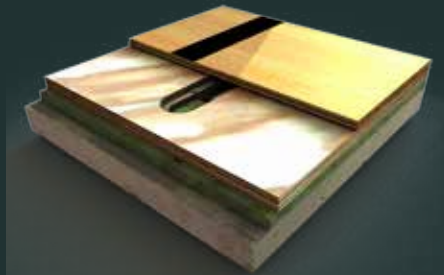
### BIO-CHANNEL® STAR

University of Iowa  
RUTGERS Dome Athletic Center  
Cleveland State University  
University of Central Florida  
Ball State University  
Ohio State University  
University of North Carolina  
IMG Academy



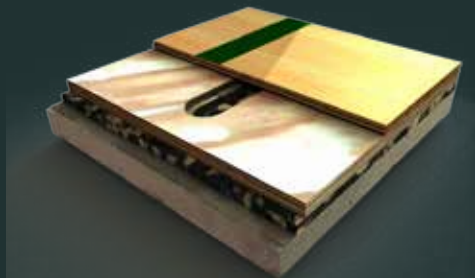
### BIO-CHANNEL® LP

University of South Alabama  
Shawnee State University  
Grand Canyon University  
South Shore Supreme Sports  
Texas A&M Wellness Center  
Tuskawilla Learning Academy  
UCLA Kinross Studio  
IL Institute of Technology



### BIO-CHANNEL® LP STAR

University of South Alabama  
Alabama Southern  
Arizona State University  
Montgomery County Rec Center  
University of Dayton  
University of Massachusetts  
Texas Wesleyan University  
Mission Concepcion



# CHOOSE A FLOOR ONCE...

# CHOOSE **ROBBINS**...



## DESIGNED FOR A GREENER PLANET



At Robbins, leadership in product design doesn't just apply to athletic performance and product quality –it also extends to our commitment to using our natural resources wisely and improving indoor air quality during installation.

Our state-of-the-art manufacturing technologies maximize the use of our raw materials while reducing the impact on the environment. This reflects the foundation of our product development: increasing quality and performance while decreasing our environmental footprint.

**Robbins MVP and our other floor systems incorporate products that help minimize our footprint on the environment and contribute to LEED credits. Robbins MVP contributes to LEED credits MR 4, MR 5, and MR 7 and others.**

**FSC® MAPLE | ZERO G® SHOCK PAD | FSC® PLYWOOD**



Grand Rapids Community College  
Robbins MVP  
Installed by: Foster Specialty Floors

Robbins is proud to be a member of the following organizations:



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