# Elan Basketweave

## Forever™ Marley

### Robbins' Performing Arts Flooring System

**FLOOR TYPE:**
Sprung Floor: Floating *(Optional: Anchored)*

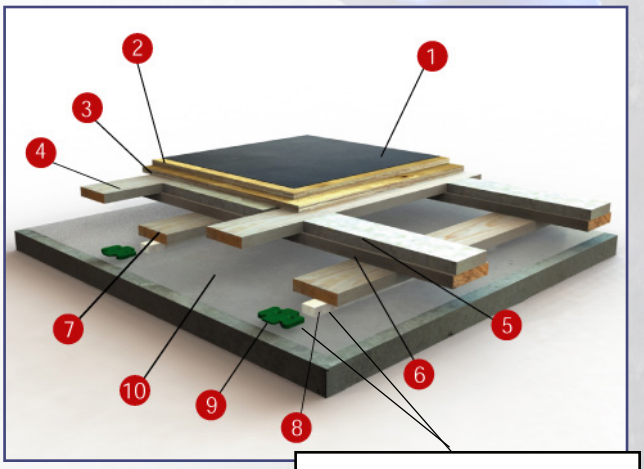
**FLOOR SURFACE:**
Forever Marley

**FLOOR SYSTEM THICKNESS:**
3 11⁄16" (94mm)
*Note: System can be easily modified to achieve a different height*

**APPLICATIONS:**
Classical, Percussive (Tap, Irish, Flamenco), Multi-Purpose, Modern, Contemporary, Ballet, Hip Hop, Swing, Belly Dancing

## FLOOR BUILD-UP

1. Seamless polyurethane dance surface.
2. High Grade Semi-Flexible Upper Load Distribution Sheathing Layer
3. Semi-Flexible Lower Load Distribution Sheathing Layer
4. 3rd layer of 1x4 stringer
5. Vibration damping/absorbing resilient pad layer
6. 2nd layer of 1x4 stringer
7. 1st layer of 1x4 stringer
8. Vibration damping/absorbing resilient pad layer
9. 50 Durometer Resilient pad
10. 6 mil Polyethylene vapor retarder




Dual Pad Design
for Enhanced Vibration
Damping & Resiliency

## FEATURES

- **Durable Forever Marley Performance Surface:** *seamless, slip resistant, non-reflective & dimensionally stable*
- **Comfort & Safety:** *50 Durometer pads for higher force reduction and deflection to soften landing.*
- **Energy Absorption:** *dual resilient strips & pads for added vibration damping & shock absorption.*
- **Uniform Resilience:** *triple layer stringers for uniformity and excellent area elasticity.*
- **Optional Design:** *optional anchored design for added dimensional stability*

**FSC® Materials Available for Purchase*

**ELAN BASKETWEAVE has been tested per the ANSI E1.26 Standard**

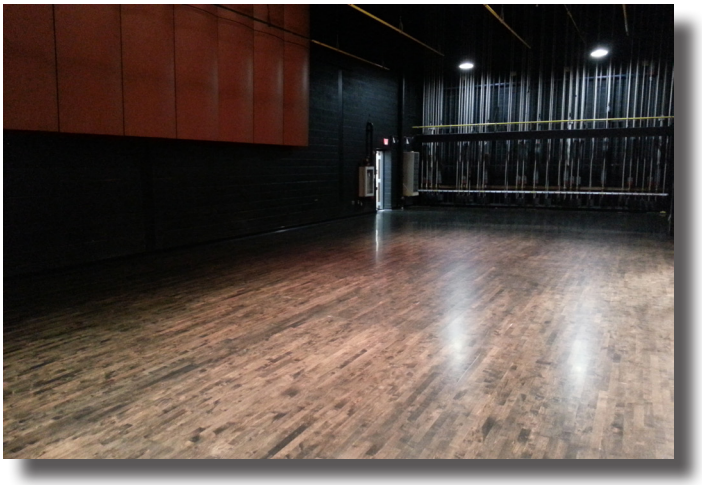
PERFORMING ARTS & THEATER

Robbins PERFORMING ARTS™

*Performance like NO other...*
*For Dancers, By Dancers*

Robbins most advanced professional sprung floor systems are designed & biomechancially researched, specifically for performers with dancer input to create the world's most comfortable and highest performing surfaces. Robbins unique dance floor designs clearly unites legendary performance with all the qualities necessary to withstand the rigors of even the most demanding venues, delivering long-lasting, superior performance characteristics that traditional sprung floors cannot. Outstanding uniformity, vibration control, impact force reduction, and deflection allow performers of all levels to concentrate on their art, *not* the **fear of falling** or potential **injury**.

## Characteristics of a Superior Dance Floor System* Includes:



- Significant enhancements to dancer "comfort".
- Provides unparalleled uniformity in feel and performance
- Tightly controls magnitude and timing of deformation for proper energy return
- Damps vibration, quickly limiting effect on neighboring performers
- **Minimizes** floor system vibration in general and specifically in the natural frequency range of soft tissue packages, p providing comfort and reducing fatigue
- **Separates** the input vibration frequency (i.e., the skeletal deceleration (frequency) from the natural frequency of soft tissue packages
- Induces small Electromyography (EMG) muscle activity response
- Limits the amount of flooring set into motion upon impact through excellent deformation control
- Provides outstanding acoustics - control of audible vibration
- Eliminates excessive rebound e.g., "trampoline effect"
- Prevents "**hard & soft spots**" through uniform suspension across the entire floor
- Uniformity, vibration control, and force reduction working together in unison to dramatically enhance performance, while also increasing comfort and safety.
- Provides excellent stability under theatrical loading.

**defined by Dr. Benno Nigg, The Human Performance Lab, University of Calgary*

## Recent Robbins Performing Arts Installations:

EDGE Performing Arts Center *(Los Angeles, CA)*
Reed College *(Portland, OR)*
Kentucky Center for the Arts (*Louisville, KY*)
The Banff Centre (*Banff, Alberta, CA*)
Choate Rosemary Hall *(Wallingford, CT)*
Tracey Anderson Manhattan Studio *(New York, NY)*
Carleton College *(Northfield, MN)*
Buckley School *(New York, NY)*