



## Case Study: Retail

### You and the Mat

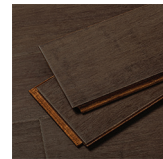
**Industry:**  
Retail

**Location:**  
Laguna Niguel, California

**Architect:**  
N/A

**Materials Used:**

PlybooFit™ underlayment system is a great fit for fitness centers, recreational centers and yoga studios. The 95% recycled underlayment padding helps with shock absorption lessening the impact on ankle, knee and hip joints.



Cerused Taupe Stiletto  
Strand Flooring  
FL-P5872PSG/CL-NAUF /FSC

Our new Stiletto click lock flooring installs quickly and easily with the PlybooFit underlayment. Stiletto, our hardest floor available, holds a 3500 psi Janka Ball rating making it perfect for high wear fitness applications.

Strength, beauty and a full palette of colors is proving Stiletto to be our most versatile flooring product yet.



## Specifications

### Possible LEED Credits:

Low emitting materials and certified wood  
 Floorscore certified



### Physical / Mechanical Properties - Stiletto Strand Bamboo Flooring

Dimensions:	9/16" x 5" x 72" - 14mm x 125mm x 1830mm
Installation:	Click-lock over pad
ASTM E648: Critical Radiant Flux:	Class 1
ASTM D1037: Dimensional Stability	Linear Expansion: Parallel -0.02%, Perpendicular -0.23%, Thickness Swell -0.25%, Hardness (Janka Ball Test): 3500 lbf average
ASTM D2394: Coefficient of Friction	Static Coefficient/Dynamic (Sliding) Coefficient: 0.562/ 0.497
ASTM 4442: Moisture Content	6-9% average
ASTM D5116: Organic Emission (CA Section 01350)	Classroom scenario/Office scenario: Pass/Pass

### Physical / Mechanical Properties - PlybooFit® System

Dimensions	3mm x 36" x 33' 1/2" (100 sqft per roll)
ASTM E989: Sound Impact Insulation	IIC 72 (over 6" concrete/6" fiberglass)
ASTM D3676: Density Pounds/cubic foot	18.9 lbs/ft <sup>3</sup>
Compression Resistance, PSI	Compression Resistance: @25% - 23.3 psi @30% - 37.0 psi @50% - 219.6 psi
ASTM D5116: Organic Emission (CA Section 01350)	Classroom scenario/Office scenario: Pass/Pass
DOC-FF 170: Flammability	Passed