



## Case Study: Commercial

### Novo Construction

**Industry:**  
Office Building

**Location:**  
Menlo Park, California

**Architect:**  
DGA, San Francisco

Novo Construction opted to build this wonderful basketball court in the middle of their office space in Menlo Park, California. The idea was to give employees a place to unwind and workout after business hours.



#### Materials Used:



PlybooSport Natural  
Edge Grain Bamboo  
Flooring  
FL-V3472SFN-NAUF / FSC



## Specifications

### Possible LEED Credits:

Low emitting materials and certified wood  
 Floorscore Certified



### Physical / Mechanical Properties - PlybooSport Flooring

Dimensions:	3/4" x 2 1/4" x 72" - 19mm x 55mm x 1830mm
Installation:	Floating kresilient, resilient sleeper or fixed resilient
ASTM E648:Critical Radiant Flux:	Class 1
ASTM D1037: Dimensional Stability	Linear Expansion: Parallel -0.04%, Perpendicular -0.10%, Thickness Swell -0.13%, Hardness (Janka Ball Test): 1750 lbf average
ASTM 4442: Moisture Content	6-9% average
ASTM D5116: Organic Emission (CA Section 01350)	Classroom scenario/Office scenario: mnb v
EN 14904 BS-EN 14904 DIN 18032-2 (Order of results: Average)	i. Multi-Use W • Ball Rebound: 96% average • Force Reduction: 54% average • Vertical Deflection: 2.8mm average • Area Indentation: 15% average • Rolling Load (1500N; 337 lbf): Pass ii. Pro B • Ball Rebound 97% average • Force Reduction: 46% average • Vertical Deformation: 2.1mm average • Rolling Load (1500N, 337 lbf): Pass iii. Soft Touch Y • Ball Rebound: 90% average • Force Reduction: 62% average • Vertical Deformation: 3.5mm average • Rolling Load (1500N; 337 lbf): Pass

### Physical / Mechanical Properties - PlybooSport Underlayment System

Dimensions	1/4" x 4' x 50' - 1 lb/sqft
ASTM E492: Sound Impact Insulation	54 (over 6" concrete)
ASTM E989: Sound Impact Insulation	58 (over 6" concrete/6" fiberglass)
ASTM D3676: Density Pounds/cubic foot	45lbs/ft <sup>3</sup>
ASTM D2240: Durometer	45 +/- 2 Shore A Hardness
ASTM D5116: VOC's Closed Chamber 1.0m +/- .05 m/3	SCQQMD
DOC-FF 170: Flammability	Passed