



## Case Study: Retail

# Ralph Lauren Showroom

**Industry:**  
Retail

**Location:**  
New York, New York

**Architect:**  
LS3P Associates, LTD

The space was looking for of a durable flooring for high traffic areas. The flat grain Natural flooring and plywood was chosen for its durability and neutral color to help showcase Ralph Lauren's bedding and textiles.



### Materials Used:



Natural Flat Grain  
Bamboo Flooring  
FL-5872PN-NAUF /FSC



## Specifications

### Possible LEED Credits:

Low emitting materials and certified wood  
 Floorscore certified



## Physical / Mechanical Properties - Flat Grain Flooring

|   |   |
|---|---|
| Dimensions:                                     | 5/8" x 3 3/4" x 72" - 15mm x 96mm x 1830mm  |
| Installation:                                   | Tongue and Groove, glue down or nail down   |
| ASTM E648: Critical Radiant Flux:               | Class 1   |
| ASTM D1037: Dimensional Stability               | Linear Expansion: Parallel -0.02%, Perpendicular -0.07%, Thickness Swell -0.34%, Hardness (Janka Ball Test): 1300 lbf average |
| ASTM D2394: Coefficient of Friction             | Static Coefficient/Dynamic (Sliding) Coefficient: 0.425/ 0.676  |
| ASTM 4442: Moisture Content                     | 6-9% average  |
| ASTM D5116: Organic Emission (CA Section 01350) | Classroom scenario/Office scenario: mnb v   |