



## Case Study: Residential

### 81 Weatherby

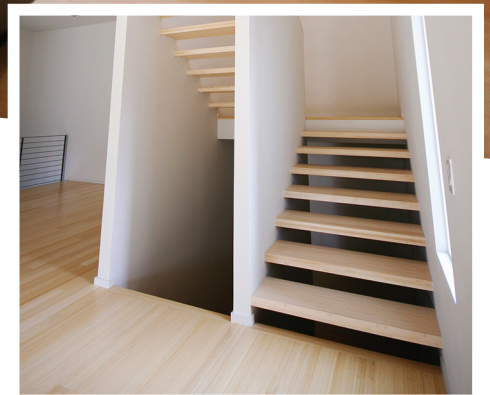
**Industry:**  
Residence

**Location:**  
Atlanta, Georgia

**Architect:**  
Concourse E

This highly energy efficient and environmentally conscious private residence in Atlanta, GA, was designed and built by Concourse E, and uses Plyboo edge grain natural flooring as part of its creatively elegant design.

The natural coloring of the floor pays a subtle complement to this beautifully lit living room and contrasting the dark cabinetry of the kitchen.



#### Materials Used:



Natural Edge Grain  
Bamboo Flooring  
FL-V5872PN-NAUF /FSC



## Specifications

### Possible LEED Credits:

Low emitting materials and certified wood  
 Floorscore certified



### Physical / Mechanical Properties - Edge 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: Pass/Pass