



# Beaulieu Lab Certified

Beaulieu is committed to providing quality products to its customers. To ensure the products are being made according to its high quality standards, Beaulieu has every production tested by a third party, independent laboratory.

## Laminate Flooring

- **Moisture Content**  
The test determines the amount of water contained in the laminate flooring. If the moisture content is too high or low, the laminate flooring will be unstable. Beaulieu refuses any product that does not comply with the specified moisture content to ensure the stability of its laminate flooring.
- **Formaldehyde Emission**  
Formaldehyde is produced naturally by many processes, including the combustion of wood, cigarettes, gasoline and other organic compounds, photo-chemical reactions and biological activity. Formaldehyde is not only present in outdoor air, it is also present naturally in small concentrations in many foods, including apples and onions, and is even a natural “chemical building block” in the human body. However, beyond small concentrations, formaldehyde exposure is hazardous to human health. For this reason, the E1 and E0 standards require that formaldehyde emission from wood flooring does not exceed 1.5 mg/L and 0.5 mg/L respectively. Beaulieu flooring meets E1 or E0 standards and is, therefore, harmless to human health. ū
- **Thickness Swelling**  
The test determines how much laminate flooring thickness expands when submerged in water. If the flooring swells too much, it will deform when exposed to small amounts of humidity. To ensure your laminate flooring's lasting beauty, Beaulieu refuses any laminate products that do not meet standard thickness swelling requirements.
- **Cleanibility / Stain Resistance**  
The test determines the laminate flooring's capacity to stand food, beverages and products of daily use without becoming stained. It also determines the ease with which the stains can be cleaned. If the laminate flooring becomes stained easily, it will quickly become permanently soiled. For this reason, all Beaulieu laminate products are certified to be stain resistant.
- **Surface Bonding Strength**  
The test determines the laminate flooring's surface capacity to hold together. If surface bonding is low, the laminate surface will easily chip and lose its beauty and performance. All Beaulieu laminate products pass this test to ensure surface bonding strength is adequate to withstand normal usage.

- **Internal Bonding Strength**  
The test determines the laminate flooring's HDF capacity to hold together. If the HDF has low internal bonding strength, it will easily break in the presence of pressure, including installation pressure. All Beaulieu laminate products pass this test to ensure the products can withstand normal living conditions.
  
- **Wear / Abrasion Resistance**  
If wear resistance is low, the surface will quickly show signs of aging and the lower layers will become compromised (exposed to stains, scratching, etc.). All Beaulieu laminate products have a commercial rating.
  
- **Density**  
This test determines the flooring's mass per unit of volume. Low density in laminate flooring will result in high thickness swelling, higher rupture potential, lower click performance, etc. Beaulieu refuses any laminate products that are inadequate.
  
- **Brightness**  
The test determines the laminate flooring's capacity to reflect light. A specific, homogeneous brightness is a key aesthetic attribute of laminate flooring. Therefore, in order to assure your flooring's natural beauty, Beaulieu refuses any flooring that reflects too much, or not enough light.
  
- **Resistance to Cigarette Burns**  
The test determines the laminate flooring's capacity to stand un-extinguished cigarettes without becoming stained or burnt. If resistance to cigarette burns is low, your laminate flooring's surface will become burnt and deformed when exposed to un-extinguished cigarettes.
  
- **Resistance to Scratching**  
The test determines the flooring's capacity to withstand normal usage without becoming scratched. If the laminate's scratch resistance is inadequate, the flooring will rapidly show marks or indentations on its surface. All Beaulieu laminate products are certified to be scratch resistant under normal usage.
  
- **Impact Resistance**  
The test is performed to determine if your laminate floor has the capacity to sustain the impact of a steel ball without damaging. If the laminate's resistance results appear to be insufficient, your floor's structure and properties will rapidly become compromised. All Beaulieu laminate products are certified to be varnish impact resistant under normal usage.
  
- **Modulus of Rupture**  
The test determines the laminate flooring's capacity to sustain force without breaking. If the modulus of rupture appears to be inadequate, your laminate flooring will break easily during transportation, storage and usage. All Beaulieu laminate products pass this test to ensure that your floors will not break under normal use, transportation or even storage.