

Performance Testing of Floor Boards

Our goal: Address your needs

Over the years, FPInnovations has developed a solid expertise in the characterization and manufacturing process of solid and engineered wood flooring.

In collaboration with the industry's leading manufacturers, our team has developed test methods to evaluate the performance of various flooring products.

OUR SERVICES

Several devices and methods allow us to characterize the performance of finishing systems.

Our conditioning chambers make it possible to simulate the dry conditions encountered in winter and the more humid conditions of summer. These controlled humidity variations help reproduce the stresses caused by shrinkage and swelling of the various components of engineered wood flooring.

Test beds are used to measure the mechanical properties of the substrates, floor boards, and glue joints that comprise them.



TESTS AVAILABLE

Resistance of finishing systems *(applicable standards)*

- Resistance to scratching
- Resistance to impacts
- Resistance to abrasion
- Coefficient of friction
- Chemical resistance
- Surface profilometry
- Accelerated exposure to UV

Resistance to relative humidity changes *(applicable standards)*

- Cupping deformation in full-size conditioning chamber
 - ✓ 20°C/20% RH
 - ✓ 20°C/50% RH
 - ✓ 20°C/80% RH
- Delamination chamber
- Kiln delamination

Mechanical and thermal acoustical properties, and fire reaction *(applicable standards)*

- Deflection
- Internal cohesion
- Shear
- Hardness (Janka, Brinell and Shore D)
- Friction coefficient
- Flame spread
- Cone calorimeter
- Acoustical properties
- Thermal conductivity

Learn more:

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