



When performance meets innovation

INNOVATING WOOD SPORTS FLOORING

In 1942, a new wood flooring technology arrives: Multilayer wood floor



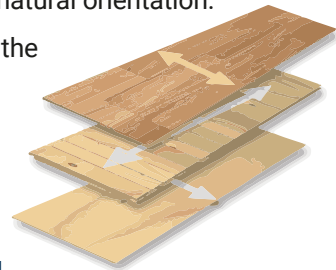
Since its invention, their market share has constantly grown thanks to its **technical, environmental, and economical** advantages.

Today, Tarkett commercialises exclusively multi-layer wood floors.

Multilayer wood floors: what are they?

Multilayer wood floors are a system of 3 different wood boards arranged perpendicularly based on the wood fiber's natural orientation.

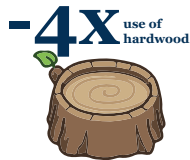
This technology increases the dimensional stability while minimizing its reaction to temperature and humidity variations.



Since only the system's wear layer is made of **solid wood**, a variety of finishes can be achieved depending on the wood species chosen. Optimal dimensional stability remains unchanged regardless of the top board's wood species.

ENVIRONMENTALLY CONSCIOUS WOOD SPORTS FLOORING

Tarkett Sports' wood sports floorings



Only the system's wear layer is made of hardwood.

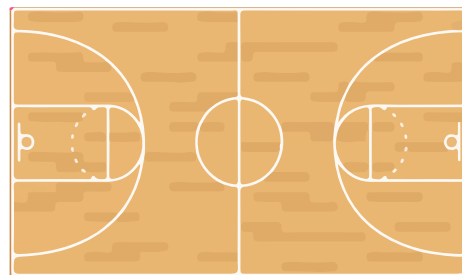
The intermediate layers are made from **wood species that take shorter to fully grow (5 to 8 years)**, also known as softwood species.

100% solid wood sports floorings

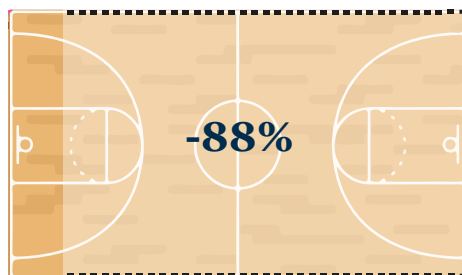


Solid wood floors are 100% made from slow-growing wood species such as oak.

As an example, an oak tree will take **around 75 years to be fully grown.**



5 m³ of solid wood
=
700 m²
of multilayer wood flooring
1 basketball court



-88%

5 m³ of solid wood
=
84 m²
only
of multilayer wood flooring
12% of a basketball court

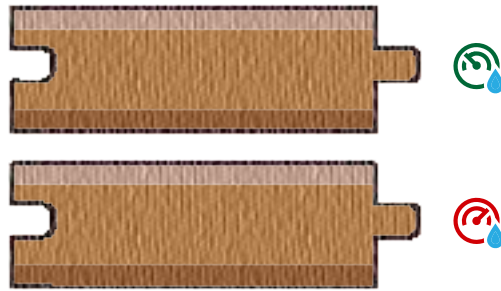


RELIABLE WOOD SPORTS FLOORING

Tarkett Sports' wood sports floors

3 layers to minimize the effects of humidity

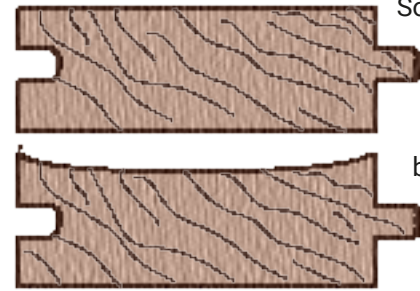
Thanks to its multilayer constructure, this system offers **better dimensional stability even at high humidity rates.**



100% solid wood sports floors

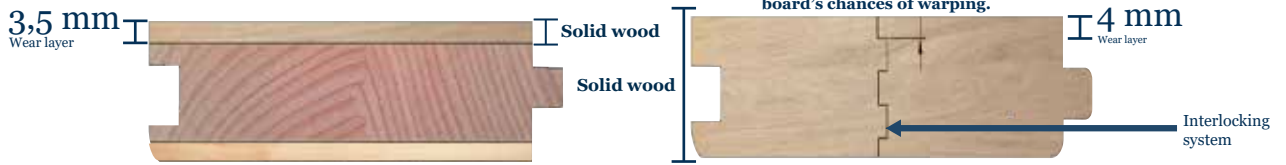
Vulnerable to humidity variations

Solid wood floors are **particularly sensible to humidity variations** because of their structure and the accelerated drying method used.



As opposed to multilayer wood floors, solid wood floorings tend to cup or warp which can cause severe injuries to players.

DURABLE WOOD SPORTS FLOORING



Both multilayer wood floorings and solid wood floorings allow several renovations (sanding and varnishing).

Renovation works are usually done **once every 10 years.**

Sanding beyond 4 mm will compromise the interlocking system and will increase the board's chances of warping.

Solid wood floor brands claim their products can be sanded endlessly.

In reality, it is their **natural predisposition to warping or cupping** that forces **renovations works to be done with more frequency** causing a premature erosion of the wear layer.

BUDGET-FRIENDLY WOOD SPORTS FLOORING

A multilayer wood flooring's wear layer is 3,5 mm to 4 mm thick which allows up to 4 sanding operations.



*as an example 40-year lifespan

| | |
|------------------|--|
| Budget (approx.) | 100 000 € / 1000 m ² |
| 1st renovation | 30 000 € / 1000 m ² |
| 2nd renovation | 30 000 € / 1000 m ² |
| 3rd renovation | 30 000 € / 1000 m ² |
| Total | 190 000 €* / 1000 m² |

Renovation works are considerably expensive since they include sanding, varnishing and retracing of lines.

Beyond 2 sanding operations, replacing the floor entirely is financially smarter.

