

ECO-TEK

Sustainable Flooring Solutions

A low-angle, dynamic shot of two men playing tennis on an indoor court. The man in the foreground is in a low, ready position, looking intently at the camera while holding a tennis racket. The man in the background is also in a ready position, looking towards the camera. The court floor is made of light-colored wood, and the background shows a white wall with a red tennis net and a glass door.

**High Performance Solid
Hardwood Sports Floors**

ST22 - Solid Hardwood Sports Floor

ST22 is a new high performance 22mm solid hardwood sprung pack & level sports floor system. We have combined the high quality 22mm solid sports boards from DYNAMIK with our class leading cradle undercarriage. These new sprung flooring solutions are versatile, impact energy absorbing floors suitable for indoor sports, dance and fitness applications. The finished floor is compliant with EN14904, as well as the strict criteria stipulated by sports governing bodies, such as Sports England.



System Benefits

- Complies with BS/EN 14904
- Creates area elastic performance sprung sports floor
- No structural floor preparation necessary
- Excellent shock absorption to protect athletes
- Fully adjustable on site to eliminate height variations in structural floor
- Rubber sports cradles have a 60-year guarantee
- Hatches for sports equipment can be incorporated

**Floor systems
are supported by single
composition rubber cradles,
manufactured using recycled
rubber from tyres.**



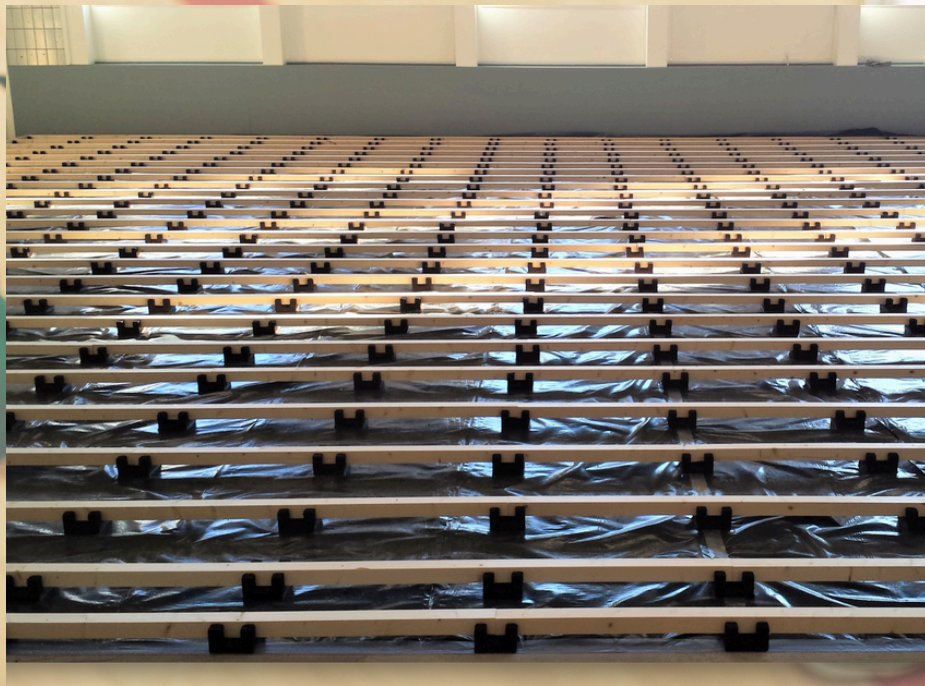
Applications

- New build & Refurbishment
- All level and uneven structural floors
- Sports halls, and gyms
- Dance and exercise studios

ECO-TEK ST22 is a fully sprung high performance sports floor that can be installed on uneven structural floors and is certified to BS EN 14904.

The system is installed using 22mm solid hardwood sports boards secret nailed to LVL beams, which are supported by recycled rubber cradles that enable fast levelling of the system.

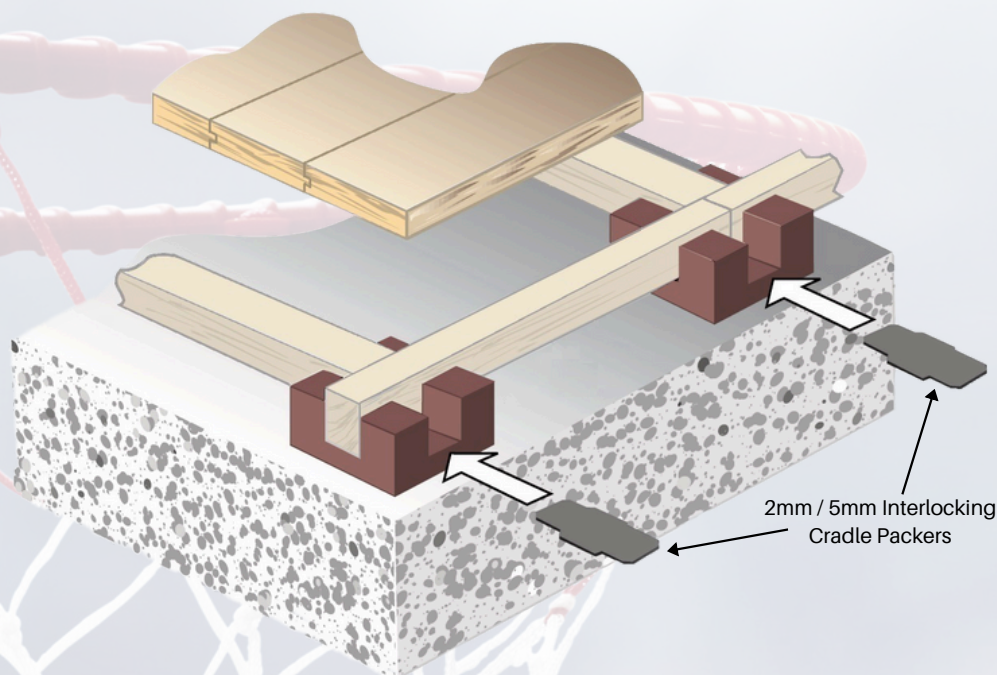
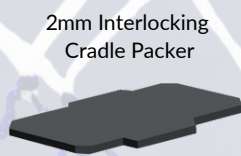
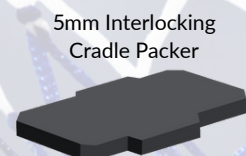
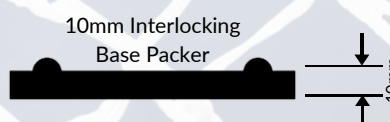
The installation pattern is traditional classic 3-board stagger, creating a uniform even pattern throughout the field of play.



Performance Results

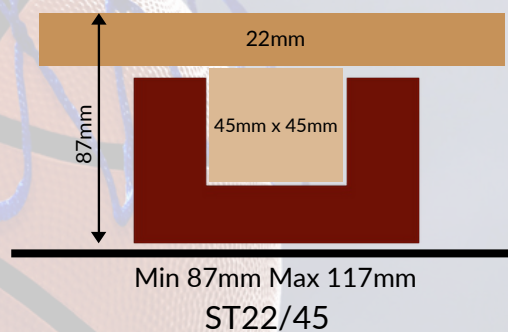
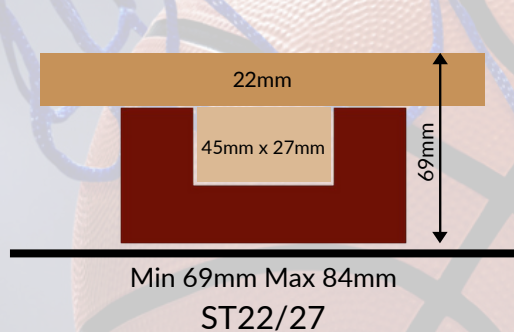
Sport System	Sports Surface	EN14904 Performance	Shock Absorption %
ST22/45	22mm Solid Beech	Area Elastic A4	64
ST22/27	22mm Solid Beech	Area Elastic A4	66

Components



Solid Hardwood Sports Board
22mm x 128mm x 2100mm
Beech, Maple and Hevea - Solid Hardwood

Finished floor heights with the ST22 systems



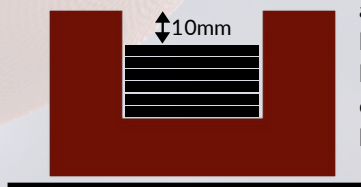
Floor Levelling and Increased Floor Heights

For uneven subfloors, increased floor heights and deep service voids, cradle base packers are available for rapid and easy height adjustment. These may be used in multiples to achieve the desired finished floor height.



Floor Levelling

When packing within the cradle a minimum of 10mm must be left from the top of the cradle leg. Further packing/levelling can be achieved with cradle base packers.





Hardwood Sports Board Options



Beech Premium
Thickness: 22mm
Board: 128mm x 2100mm

Canadian Maple Premium
Thickness: 22mm
Board: 128mm x 2100mm



Hevea Premium
Thickness: 22mm
Board: 128mm x 2100mm

Retractable Bleacher Seating



Retractable seating is common in school and leisure centre sports halls where sprung floors are installed. This provides a challenging dilemma for the design of the floor. Sports floors are designed to be flexible to offer the best shock absorption to prevent injury to athletes. These floors must also create a consistent performance over the full playing surface. ECO-TEK have designed a simple solution to reinforce the floor to cope with the increased loads from seating while maintaining the performance of the playing surface.

Retractable Seating (Bleacher Seating) Design Solution

- Procedure to reinforce floor
- Maintains full sprung performance of sports floor
- No loss of shock absorption
- Suitable for all types of leisure applications
- Solution for theatres
- Allows MEWP (scissor lifting platforms) equipment to be used for maintenance work



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