

## Engineered with Recycled Material

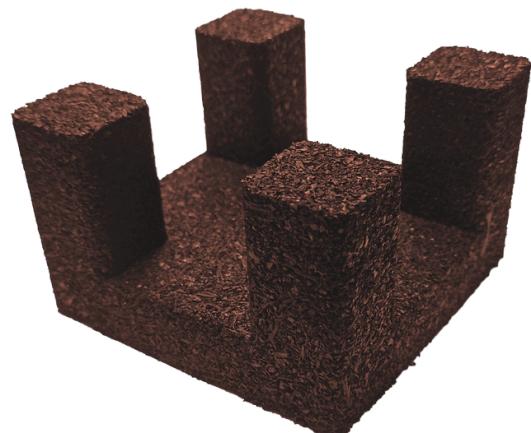
### Reducing Waste & The Circular Economy

ECO-TEK are dedicated to reducing flooring waste and use recycled materials wherever possible. We manufacture our unique sports cradles and acoustic underlays from recycled vehicle tyres, which prevents thousands of worn tyres going to landfill every year. To support sustainability, the LVL cradle beams are machined from FSC sourced timber.

### Durability

The long term performance of a sprung floor relies on the durability of the supporting cradles. By using recycled rubber we ensure that the sprung performance is maintained throughout the life of the floor and that loading from equipment such as retractable seating does not compromise the durability of the system.

Single composition rubber cradles manufactured using recycled tyres



### Tyres Recycled

100% Recovery of rubber from tyre  
1 tyre recycled per 37 cradles  
1000 sqm = **319 tyres recycled**



# Data Sheet

## Sprung Sports Floors



### System Benefits

- Isolates impact noise and vibration
- Improves airborne sound insulation
- Levels uneven structural floors allowing a flat platform
- Prevents impact sound transferring into the structure and causing noise complaints
- Improves airborne sound insulation
- Provides a service void for electrical services
- Compatible with underfloor heating

### Comparison of Eco Cradle acoustic flooring vs isolated screed installation:

- Reduces installation time by 30%
- Removes curing delays
- Over 5 times less embodied carbon compared with sand cement screed.
- Light weight system with 3 times lower loading on structure

### Loading information

UDL: 5.0kN/m<sup>2</sup>

Point Load: 3.6kN

Load Distribution Layer: 18mm T&G Plywood

### LVL Cradle Beam Options

45mm (w) x 27mm (h) x 2400mm (l)

45mm (w) x 45mm (h) x 2400mm (l)

### Acoustic Performance

#### Laboratory Test

ISO 717-1 - Rw 61dB / Rw + Ctr 53dB

ISO 717-2 - Ln,w 51dB

Weighted reduction of impact sound pressure level of sample: ΔLw 28dB

Sustainable

Innovative

Acoustic

Flooring

# Data Sheet

## Sprung Sports Floors

**ECO-TEK**  
Sustainable Flooring Solutions

### Applications

- New build
- Refurbishment
- All level and uneven subfloors
- Sports halls and gyms
- Multi-use games and play areas
- Dance and exercise studios

System	Beam Centres	Cradle Centres
SP18/45	400mm	600mm
SP18/27	400mm	300mm
SP22/45	400/600mm	600mm
SP22/27	400/600mm	600mm

Sports Cradle  
25mm Leg / 20mm Base



Sports Cradle  
40mm Leg / 20mm Base



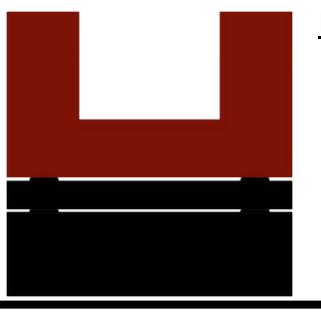
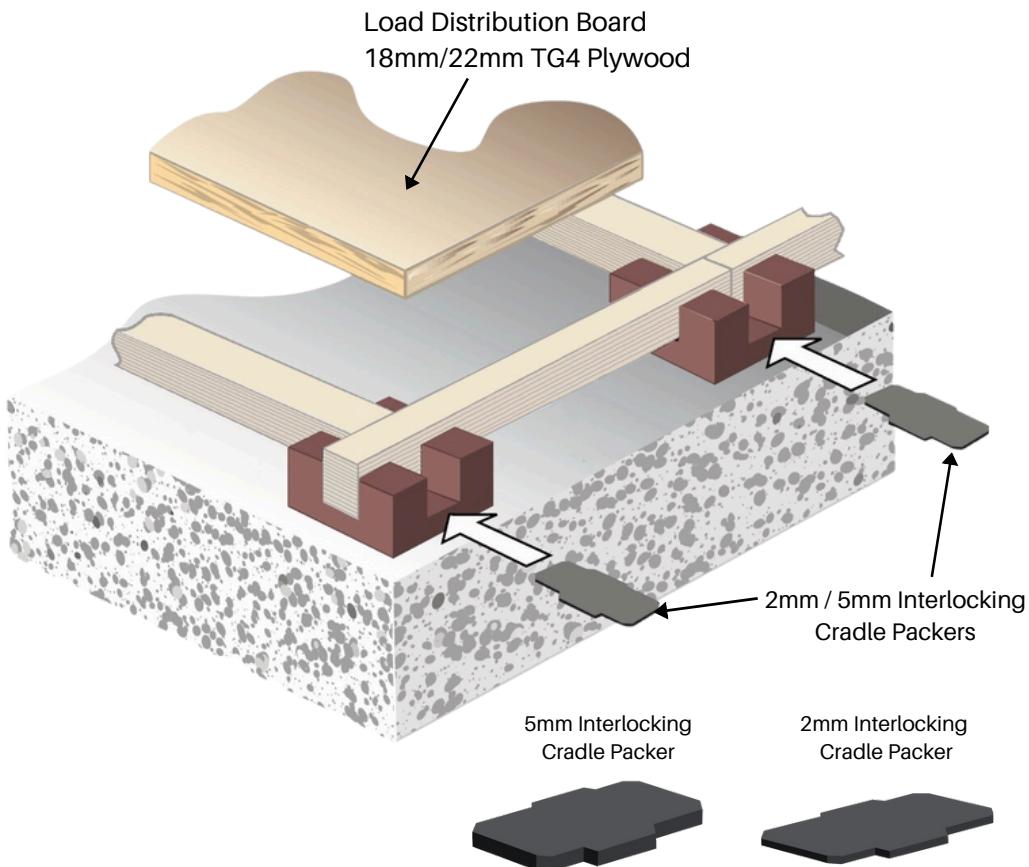
30mm Interlocking  
Cradle Base Packer



10mm Interlocking  
Cradle Base Packer

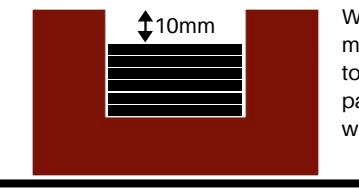


Load Distribution Board  
18mm/22mm TG4 Plywood



### Increased Floor Heights

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



### Sub-Floor Levelling

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

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