



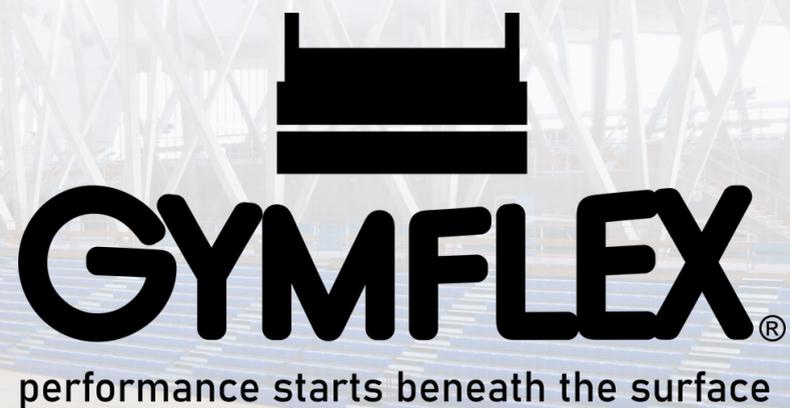
**new era**  
floor levelling systems



**GYMFLEX®**

performance starts beneath the surface

**new era**  
floor levelling systems



**GYMFLEX**<sup>®</sup>  
performance starts beneath the surface



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## NEW ERA GYMFLEX SPORTS FLOORING

New Era Floor Systems Ltd are industry leading specialists in the design, manufacture and delivery of high-performance flooring systems, with a strong focus on sports and acoustic solutions.

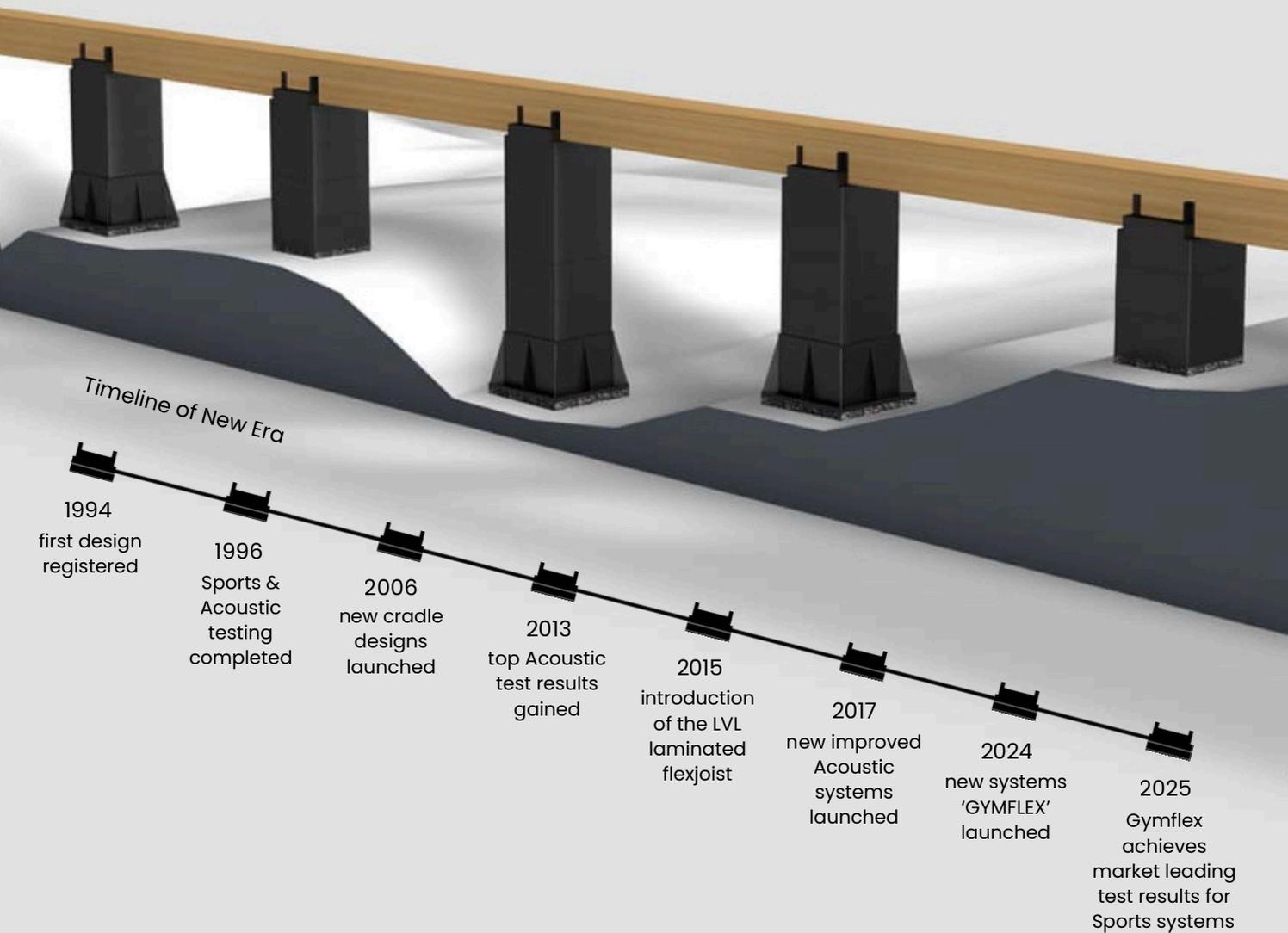
We see flooring as a fully engineered system, not just a surface. By applying scientific principles of structure, sound control and athletic performance, we create bespoke solutions that meet the demands of modern construction.

Designed by us and manufactured in the UK, our precision-engineered Sports & Acoustic cradle systems give us full control over quality, consistency and delivery. This integrated approach allows us to focus on what matters most—the performance of the sub-structure beneath the floor.

Our sports flooring systems are designed to support athlete safety and performance, tested to comply with BS EN 14904 standards. For acoustic environments, our resilient cradle and batten systems exceed UK Building Regulations Part E, delivering quieter, more comfortable spaces.

Committed to innovation, quality and collaboration, we work closely with architects, contractors and developers to deliver reliable flooring systems built to perform and last.

Here at New Era we truly believe **“Performance starts beneath the surface”**

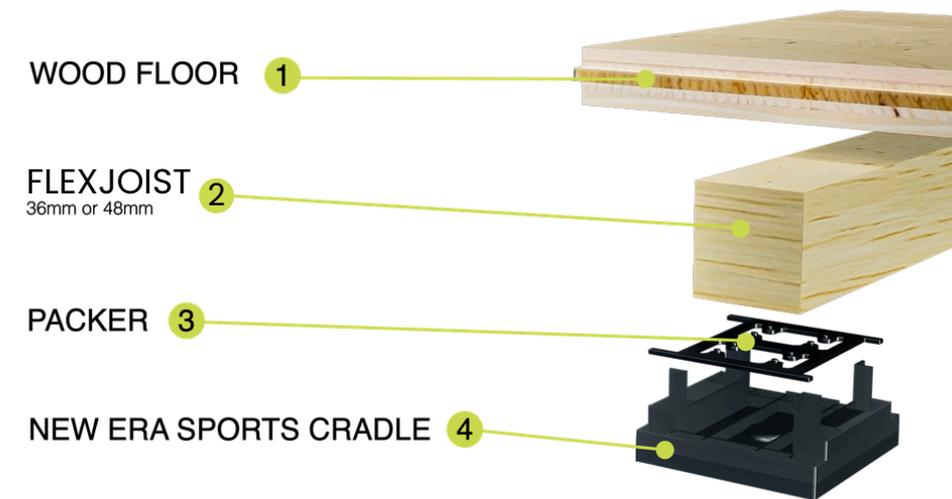


## GYMFLEX ACTIVE

The Active sprung wooden floor finish is a multi-use system for smaller gyms and Studios, conforming to Area Elastic standard of BSEN14904 Part A3. It is carefully levelled and calibrated using the unique New Era Sports cradle and flexjoist system that prioritises the health & safety of athletes while providing a high-performance surface that enhances play and stands the test of time.

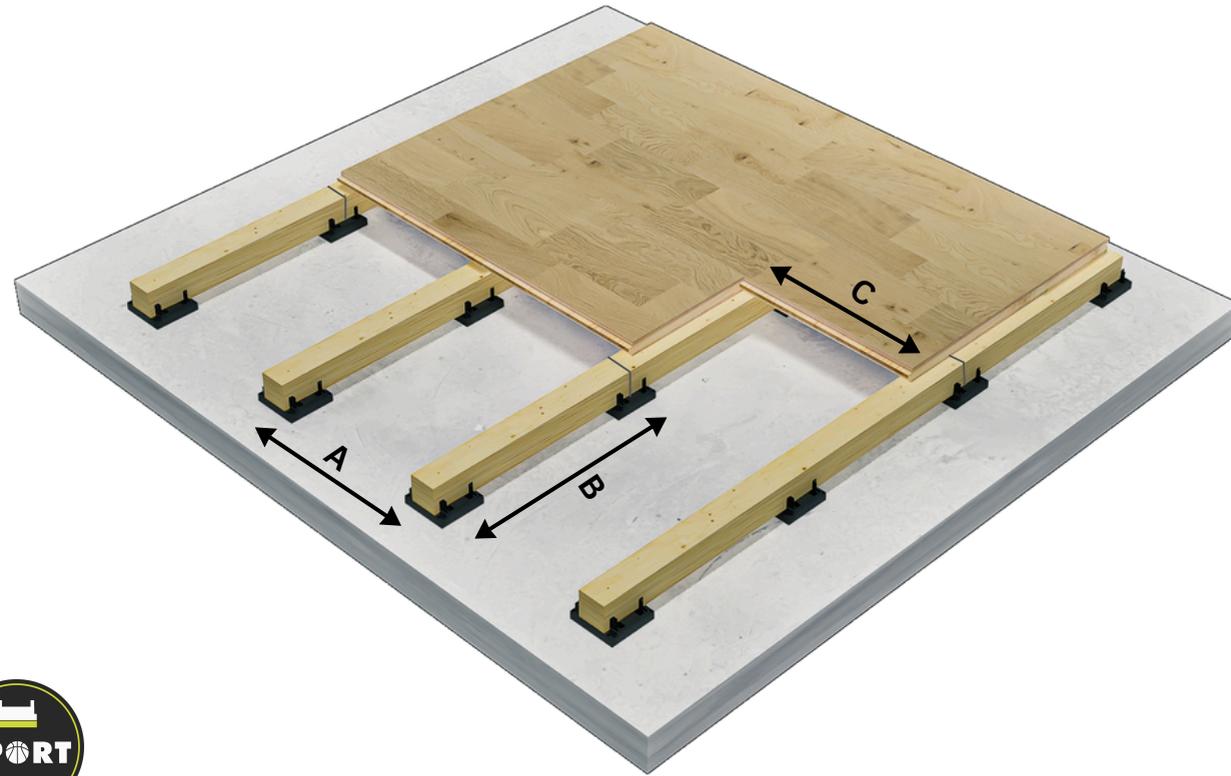
### KEY FEATURES AND BENEFITS

- ✓ Adjustable height (74–367mm) with New Era cradles
- ✓ Supports high surface loads and impacts
- ✓ Ideal for gyms up to 600m<sup>2</sup>, including upper level
- ✓ Maintains sprung floor and acoustic performance
- ✓ Optional GYMFLEX rubber tiles available to protect flooring in free weight areas



Find Out More

# GYMFLEX ACTIVE FLEXJOIST & CRADLE LAYOUT



		Solid Flooring		A	B	C
Flexjoist Size	36mm	Layout >	Flexjoists 366mm	Cradles 450mm	Floor Stagger >	Floor 366mm
	48mm		Flexjoists 366mm	Cradles 600mm		Floor 366mm
Layered Flooring						
Flexjoist Size	36mm	Layout >	Flexjoists 366mm	Cradles 450mm	Floor Stagger >	Floor 366mm
	48mm		Flexjoists 366mm	Cradles 600mm		Floor 366mm

Note: All Flexjoists must be staggered centrally on a cradle to ensure floor is tied together

# GYMFLEX ACTIVE

Floor Types	Solid 129 x 22 x 1830mm Layers 215 x 21 x 2200mm
Wood Species	Beech or Oak
Usage	Studios & Activity spaces
Cradles	New Era Sports*
Flexjoists	36 or 48mm flexjoists**
Floor Heights	74-367mm
Flexjoist Centres	366mm
Cradle Centres (Along Flexjoist)	450mm (36mm Flexjoist), 600mm (48mm Flexjoist)
Acoustic Reduction	25db
Loading	500kg per m2 Static Load & 350kg point load
Standard	Area Elastic BSENI4904 Part A3

\*Cradle Calculations: 6.5 per m2 (36mm Flexjoist) 5.0 per m2 (48mm Flexjoist)

\*\*Flexjoist Calculations: 1.7 per m2

## GYMFLEX ACTIVE SOLID FLOOR FINISH OPTIONS



SAMBA



CUBAN



NATURAL



RUMBA

## GYMFLEX ACTIVE LAYERED FLOOR FINISH OPTIONS



OAK



BEECH

## GYMFLEX ARENA

The Arena sprung wooden floor system is the professional standard for Multi-purpose Sports Halls and Arenas, conforming to an Area Elastic standard of BSEN14904 Part A4. It is a carefully levelled and calibrated using the unique New Era Sports cradle and flexjoist system that prioritizes the health & safety of athletes while providing a high performance surface that enhances play and stands the test of time.

### KEY FEATURES AND BENEFITS

- ✓ Premium area-elastic sports floor –built with unique flexjoists for high performance
- ✓ Adjustable height (74–367 mm) – uses New Era cradles to overcome uneven sub-floors
- ✓ Complies with EN14904 A4 standard – ensuring safety and professional sports performance
- ✓ Customizable load-bearing – supports bleacher seating and additional project-specific needs



WOOD FLOOR 1

FLEXJOIST  
36mm or 48mm 2

PACKER 3

NEW ERA SPORTS CRADLE 4

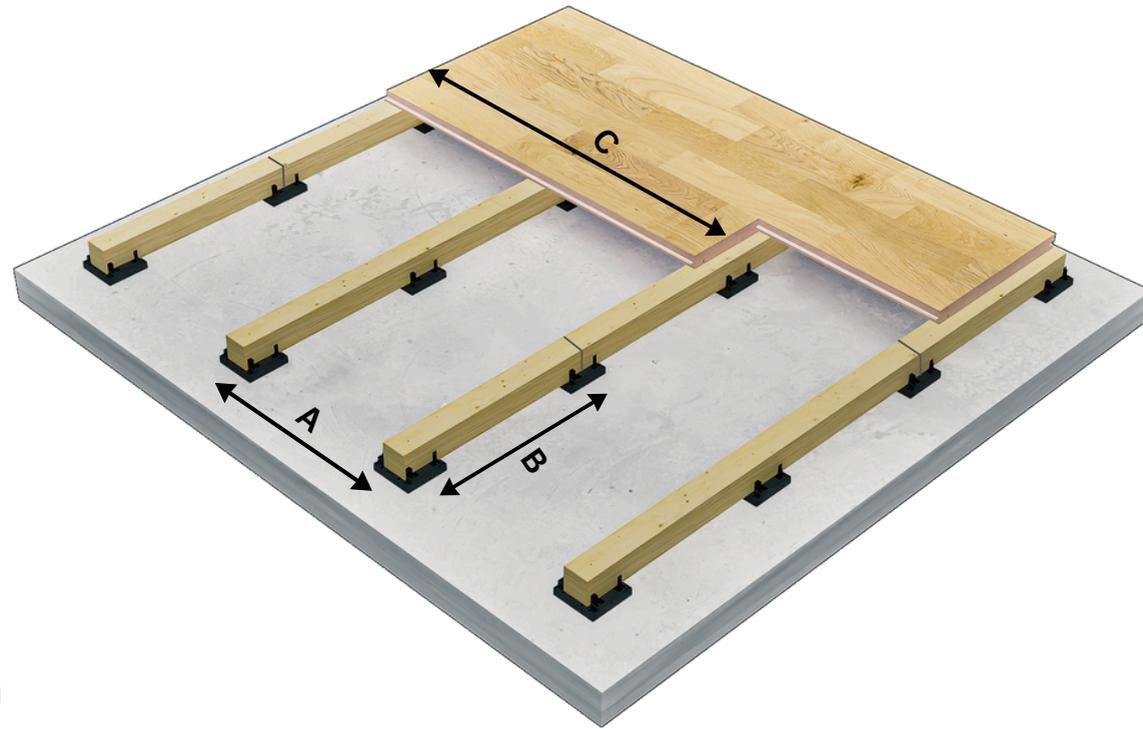


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# GYMFLEX ARENA FLEXJOIST & CRADLE LAYOUT



# GYMFLEX ARENA

Floor Types	Solid 129 x 22 x 1830mm Layers 215 x 21 x 2200mm
Wood Species	Beech or Oak
Usage	Sports Halls/Arenas
Cradles	New Era Sports*
Flexjoists	36 or 48mm Flex Joists**
Floor Heights	74-367mm
Flexjoist Centres	411mm (Solid) or 440mm (Layered)
Cradle Centres (Along Flexjoist)	450mm (36mm Flexjoist) 600mm (48mm Flexjoist)
Acoustic Reduction	25db
Loading	500kg per m2 Static Load & 350kg point load
Standard	Area Elastic BSEN14904 Part A4

## GYMFLEX ARENA SOLID FLOOR FINISH OPTIONS



NATURAL



FUMED



MIST



FUMED MIST

## GYMFLEX ARENA LAYERED FLOOR FINISH OPTIONS



OAK



BEECH

\*Cradle Calculations:

- Layers = 5.6 per m2 (36mm Flexjoist) 4.2 per m2 (48mm Flexjoist)
- Solid = 6.6 per m2 (36mm better) 5.0 mer m2 (48mm Flexjoist)

\*\*Flexjoist Calculations: 1.5 per m2

	Solid Flooring	A	B	C		
Flexjoist Size	36mm	Layout >	Flexjoists 411mm	Cradles 450mm	Floor Stagger >	Floor 822mm
	48mm		Flexjoists 411mm	Cradles 600mm		Floor 822mm
Flexjoist Size	Layered Flooring					
	36mm	Layout >	Flexjoists 440mm	Cradles 450mm	Floor Stagger >	Floor 440mm
48mm	Flexjoists 440mm		Cradles 600mm	Floor 440mm		

Note: All Flexjoists must be staggered centrally on a cradle to ensure floor is tied together

## GYMFLEX MULTI

Gymflex Multi is a standard low level area elastic Flexjoist system that conforms to BSEN14904 Part A3, designed for use over existing flat substrates, making this ideal for renovations that require a quick & easy installation whilst providing a fitness floor with enhanced performance & Durability. Using the Unique Flexjoists with foam pads, this Flexjoist system is highly effective, traditional method for creating a simple and safe playing surface.

### KEY FEATURES AND BENEFITS

- ✓ Quick and easy installation
- ✓ Cost effective
- ✓ 3 height options
- ✓ Ideal for areas of all sizes
- ✓ Great for renovations or overlay of existing floors.



**WOOD FLOOR** 1  
21mm

**FLEXJOIST** 2  
32, 46, 58mm

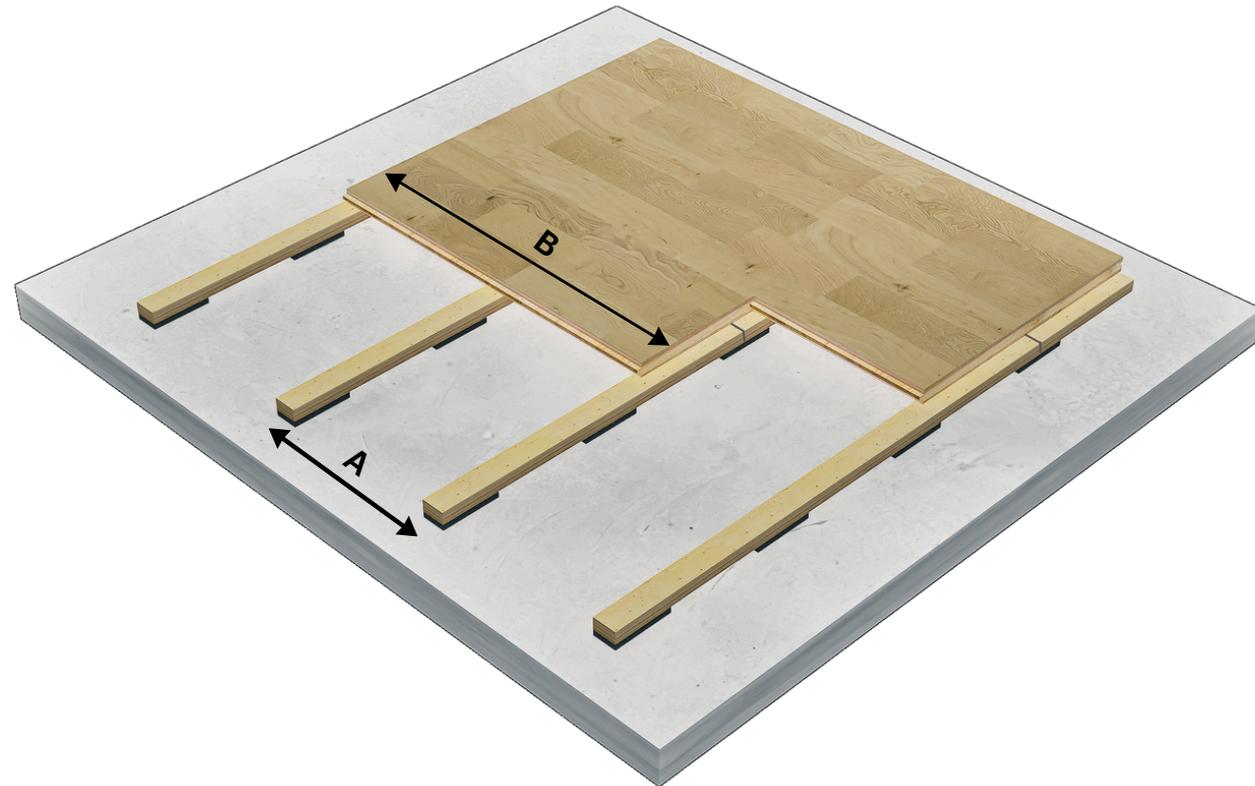


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Find Out More

## GYMFLEX FLEXJOIST MULTI LAYOUT



Flexjoist Sizes

A

B

Layered  
Flooring

32mm  
46mm  
58mm

Layout  
>

Flexjoists  
366mm

Floor  
Stagger  
>

Floor  
366mm

Note: All Flexjoists  
must be staggered to  
ensure floor is tied  
together

## GYMFLEX MULTI

Floor Types	Layers 215 x 21 x 2200mm
Wood Species	Beech or Oak
Usage	Studios & Activity spaces
Flexjoists	32, 46, 58mm Flexjoists Multi*
Floor Heights	53mm, 67mm, 79mm
Flexjoist Centres	366mm
Acoustic Reduction	17-22dB
Loading	500kg per m2 Static Load & 350kg point load
Standard	Area Elastic BSEN14904 Part A3

\*Flexjoist Calculations: Flexjoist 53 = 1.33per m2 Flexjoist 67 & 79 = 1.77per m2

GYMFLEX MULTI LAYERED FLOOR FINISH OPTIONS



OAK



BEECH

## GYMFLEX DANCE

Gymflex Dance's high-performance hardwood floor system is engineered to support all dance genres with optimal responsiveness, shock absorption, and consistent performance to reduce injury risk. Its durable lacquered finish offers the ideal balance of grip and slide, essential for safe and dynamic dance routines. Using the unique layout of the New Era Sprung cradle with flexjoists to enhance performance and acoustically isolating the space against impact sounds.

### KEY FEATURES AND BENEFITS

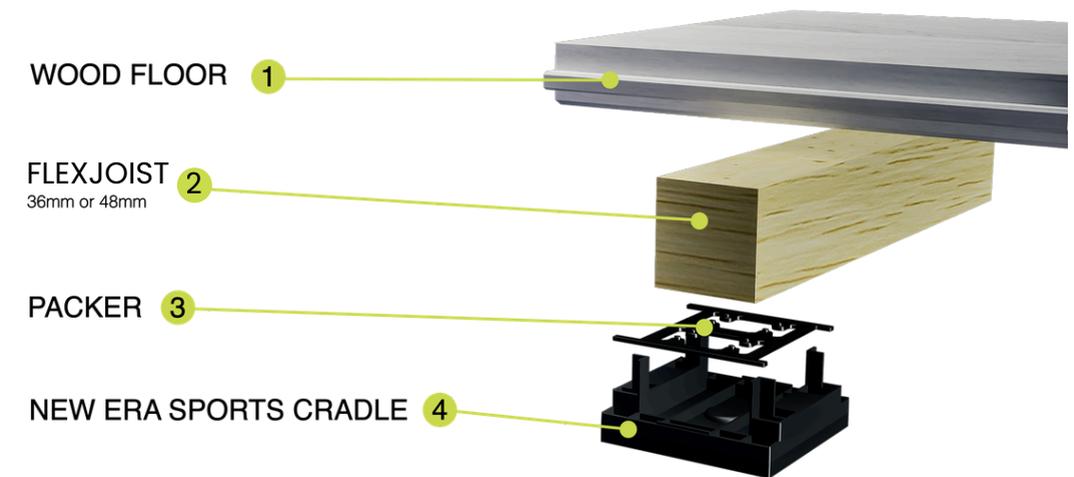
- ✓ Suits all dance genres
- ✓ Reduces injury with uniform shock absorption
- ✓ Perfect grip-to-slide balance
- ✓ Height adjustable (74-367mm)
- ✓ Acoustic impact sound tested



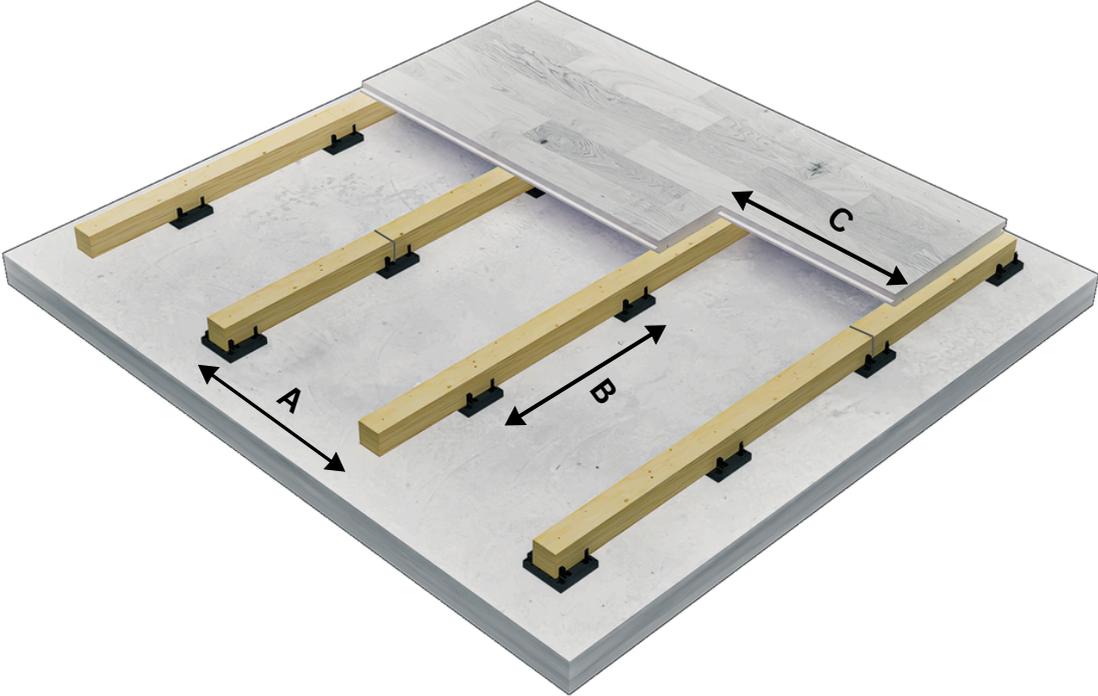
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# GYMFLEX DANCE FLEXJOIST & CRADLE LAYOUT



Solid Flooring		A	B	C
Flexjoist Size	36mm	Flexjoists 366mm	Cradles 450mm	Floor 366mm
	48mm	Flexjoists 366mm	Cradles 600mm	Floor 366mm
Layout		Floor Stagger		
➤		➤		

Note: All Flexjoists must be staggered centrally on a cradle to ensure floor is tied together

# GYMFLEX DANCE

Floor Types	Solid 129 x 22 x 1830mm
Wood Species	Beech with various colours
Usage	Dance Floors
Cradles	New Era Sports*
Flexjoists	36 or 48mm Flexjoists**
Floor Heights	74-367mm
Flexjoist Centres	366mm
Cradle Centres (Along Flexjoist)	450mm (36mm Flexjoist), 600mm (48mm Flexjoist), Flexjoists to be diamond pattern
Acoustic Reduction	25db
Loading	500kg per m2 Static Load & 350kg point load
Standard	Area Elastic BSEN14904 Part A3

\*Cradle Calculations: 6.5 per m2 (36mm Flexjoist) 5.0 per m2 (48mm Flexjoist)  
\*\*Flexjoist Calculations: 1.7 per m2

## GYMFLEX DANCE SOLID FLOOR FINISH OPTIONS

The Gymflex Dance pre-finished floor is available in a range of different colour options to help with the expression and creativity, which will enhance any Multi-use space with a great contemporary decor, whilst delivering the performance required.



RUMBA



SAMBA



NATURAL



FUMED



CUBAN



MIST



FUMED MIST

## GYMFLEX CARDIO

Our Cardio floor system is a specialised high Performance Rubber surface to support and enhance Cardio workouts. It's designed to provide a safe, comfortable, and durable foundation for equipment like treadmills, exercise bikes, and rowing machines, as well as for bodyweight cardio exercises like jumping jacks and burpees. Unlike general-purpose flooring, cardio gym flooring focuses on specific characteristics crucial for repetitive, high-impact movements and heavy equipment. The system is built using the New Era Acoustic Cradle System to enhance impact sound reduction, making it an ideal solution for upper-level gym where Acoustics are vital.

### KEY FEATURES AND BENEFITS

- ✓ Recycled Interlocking Rubber Tile 20mm
- ✓ Adjustable heights 90-338mm
- ✓ Acoustic Isolation
- ✓ Ideal for fitness machines and light impact use
- ✓ Excellent shock absorption



The Gymflex Cardio System can incorporate the GYMFLX LVT in lieu of the 20mm Rubber for a more contemporary look . See Page 50 for more information



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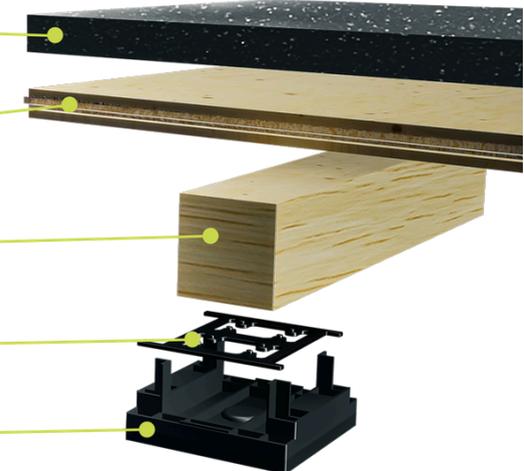
RECYCLED RUBBER TILE 1  
20mm

PLYWOOD 2  
18mm

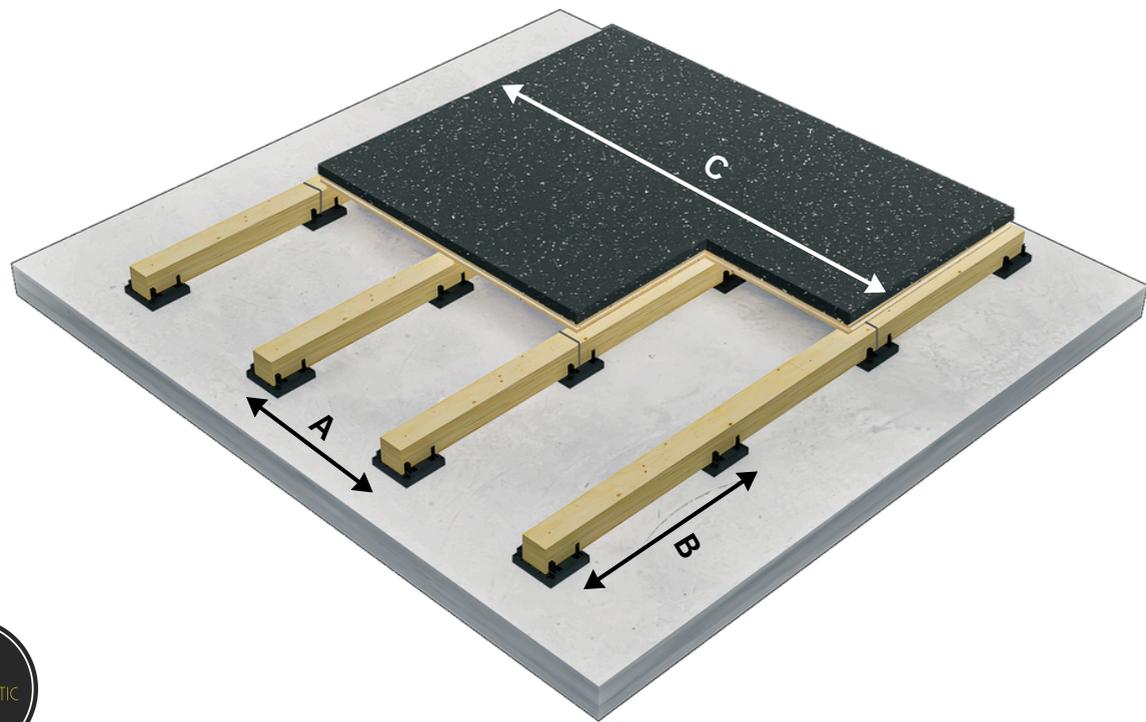
FLEXJOIST 3  
36mm or 48mm

PACKER 4

NEW ERA ACOUSTIC CRADLE 5



# GYMFLEX CARDIO FLEXJOIST & CRADLE LAYOUT



Flexjoist Size

	A	B	Plywood	C
36mm	Layout >	Flexjoists 300mm	Floor Stagger >	Floor 1200mm
48mm		Flexjoists 300mm		Floor 1200mm
		Cradles 450mm		
		Cradles 600mm		

Note: All Flexjoists must be staggered centrally on a cradle to ensure floor is tied together

# GYMFLEX CARDIO

Floor Finish	Recycled Rubber tile 20mm
Colour	Black/15% grey fleck
Structural Layer	18mm T&G Plywood
Usage	Fitness Studio/Cardio
Cradles	New Era Acoustic*
Flexjoists	36 or 48mm Flexjoists**
Floor Heights	90-338mm
Flexjoist Centres	300mm
Cradle Centres (Along Flexjoist)	450mm (36mm Flexjoist), 600mm (48mm Flexjoist),
Acoustic Reduction	29db
Loading	500kg per m2 Static Load & 350KG point load

\*Cradle Calculations: 8.5 per m2 (36mm Flexjoist) 7 per m2 (48mm Flexjoist)

\*\*Flexjoist Calculations: 4.0 per m2



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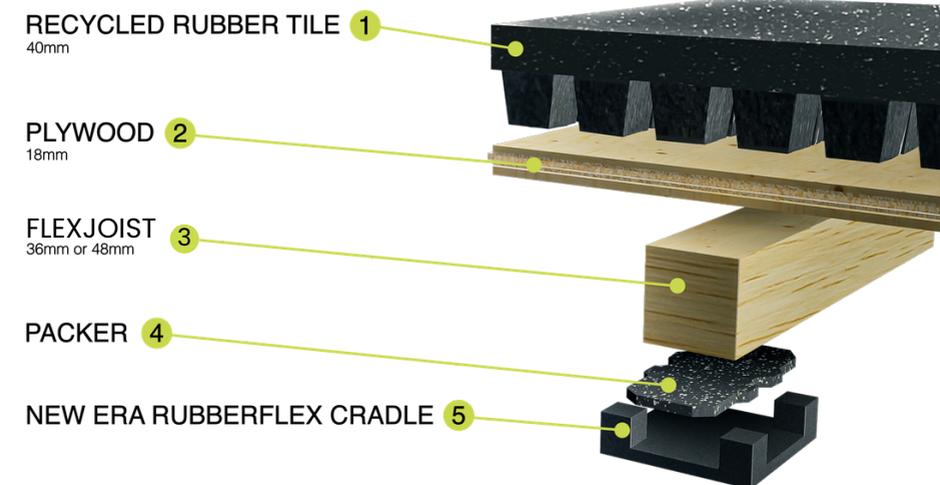
## GYMFLEX FREEWEIGHT

Our Free Weights floor is a specialised High Density, impact Absorbing, Rubber floor system designed to withstand the unique stresses of heavy lifting and impacts of free weights, whilst having excellent Acoustic isolation properties.

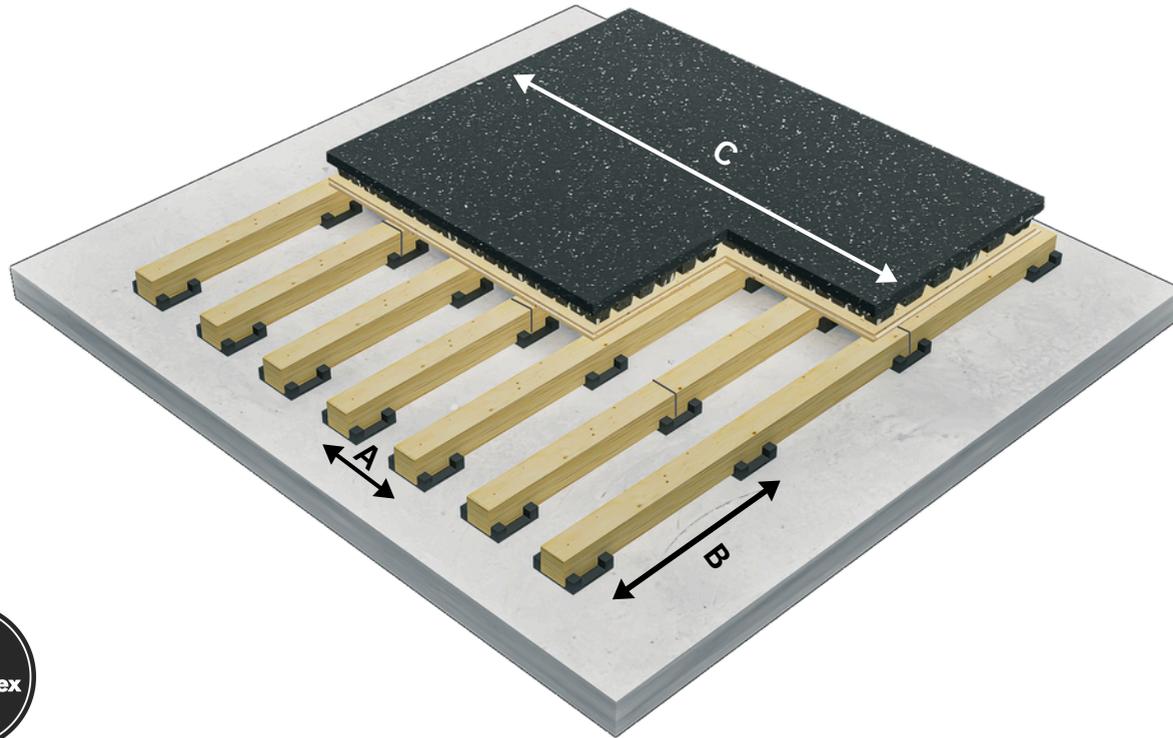
This system is built using our Rubberflex shock absorbing cradle, with an extra strength layer to protect both the gym structure and the equipment, whilst also ensuring the safety & comfort of the lifters.

### KEY FEATURES AND BENEFITS

- ✓ Recycled Interlocking Rubber Tile 40mm
- ✓ Adjustable heights 104-156mm
- ✓ Acoustic Isolation
- ✓ Ideal for free weights, Machines and medium impact use
- ✓ Excellent shock absorption
- ✓ Impact up to 80KG (height of 1.5m)



## GYMFLEX FREE WEIGHT FLEXJOIST & CRADLE LAYOUT



Flexjoist Size

	A	B	Plywood	C
36mm	Layout >	Flexjoists 150mm	Floor Stagger >	Floor 1200mm
48mm		Flexjoists 150mm		Cradles 300mm

Note: All Flexjoists must be staggered centrally on a cradle to ensure floor is tied together

## GYMFLEX FREEWEIGHT

Floor Finish	Recycled Rubber tile 40mm
Colour	Black/15% Grey Fleck
Structural Layer	18mm T&G Plywood
Usage	Fitness Studio/Free Weights
Cradles	New Era Rubberflex
Flexjoists	36 or 48mm Flexjoists
Floor Heights	104-156mm
Flexjoist Centres	150mm
Cradle Centres (Along Flexjoist)	300mm
Acoustic Reduction	29db (Minimum)
Loading	650kg Static load & 400kg Point load
Impact Load	80KG from Free-weights

\*Cradle Calculations: 17.0 per m2 (36mm, 48, 63 Flexjoist)

\*\*Flexjoist Calculations: 4.0 per m2 (36mm,48 Flexjoist) 3.4 per m2 (63mm Flexjoist)



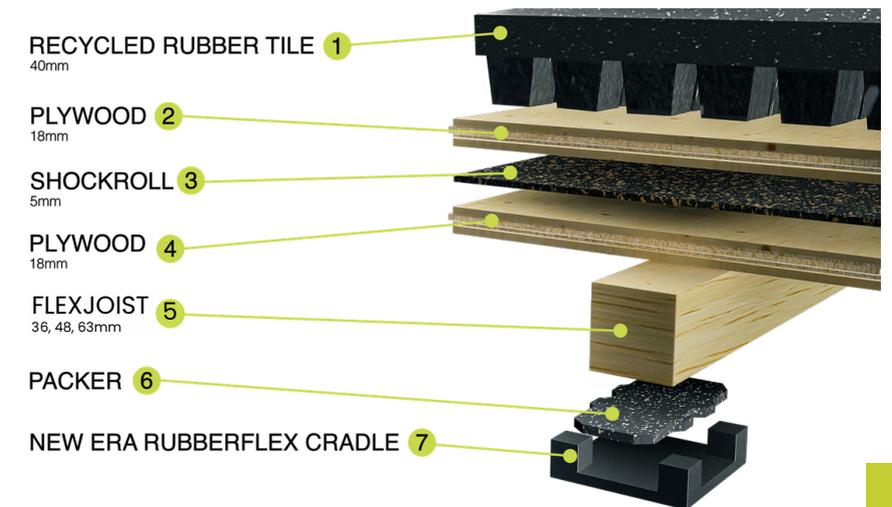
## GYMFLEX POWERLIFT

Our Powerlift floor is a unique and specially designed High Density, Impact Absorbing system that meets the rigorous demands of explosive, high impact deadlifts using Olympic weightlifting bars. The system provides a unique combination of outstanding shock absorption, stability & noise reduction.

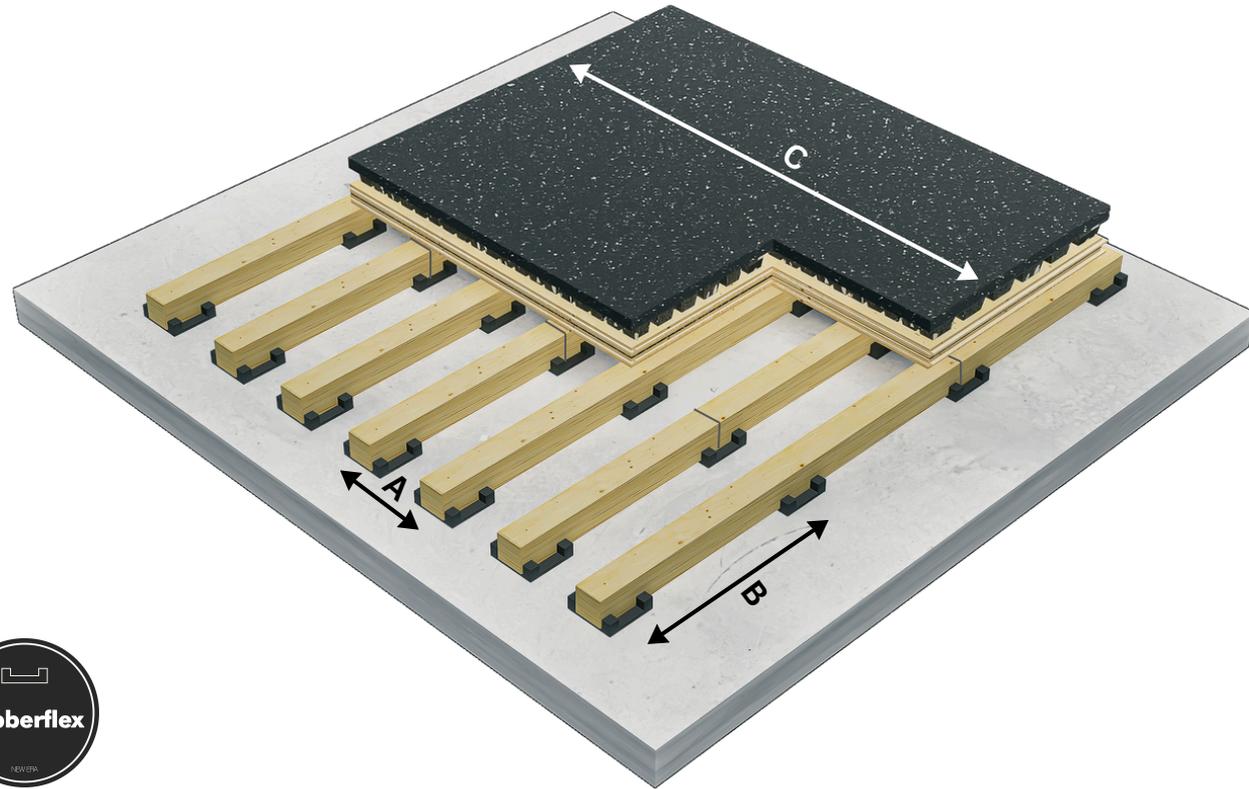
This system is built using our Rubberflex shock absorbing cradles with extra strength layers to enhance the performance and enable the resistance of these extreme weights, whilst acoustically isolating the space.

### KEY FEATURES AND BENEFITS

- ✓ Recycled Interlocking Rubber Tile 40mm
- ✓ Adjustable heights 127-174mm
- ✓ Acoustic Isolation
- ✓ Ideal for Olympic weight, Dead lifts & High Impact use
- ✓ Excellent shock absorption
- ✓ Impact up to 175kg (height of 1.5m)



# GYMFLEX POWERLIFT FLEXJOIST & CRADLE LAYOUT



Flexjoist Size	Layout	A	B	Plywood	C
		36mm	Flexjoists 150mm	Cradles 300mm	Floor Stagger
48mm	Flexjoists 150mm	Cradles 300mm	Floor 1200mm		

Note: All Flexjoists must be staggered centrally on a cradle to ensure floor is tied together

# GYMFLEX POWERLIFT

Floor Finish	Recycled Rubber tile 40mm
Colour	Black/15% Grey Fleck
Structural Layer	2 x layers 18mm T&G Plywood with 1 layer 5mm Acoustic Underlay
Usage	Powerlift/Olympic Weights
Cradles	New Era Rubberflex
Flexjoists	36, 48, 63mm Flexjoists
Floor Heights	127-174mm
Flexjoist Centres	150mm
Cradle Centres (Along Flexjoist)	300mm
Acoustic Reduction	29db (Minimum)
Loading	850kg per m2 Static Load & 500kg point load
Impact Load	175kg from Deadlift

\*Cradle Calculations: 17.0 per m2 (36mm,48,63 Flexjoist)

\*\*Flexjoist Calculations: 4.0 per m2 (36mm,48 Flexjoist) 3.4 per m2 (63mm Flexjoist)

## GYMFLEX PLAY

Gymflex play is a unique Vinyl sports floor with excellent surface resilience, offering either Area Elastic or Combined Elastic properties, and conforms to the highest standard, BSEN14904 Part A4 or C4. The floor is carefully levelled and calibrated using the unique New Era Sports cradle and flexjoist system with T&G Plywood, ensuring the highest standards are met. The Combined Elastic system is installed as 98% adhesive-free, therefore eco-friendly, and can easily have the surface replaced without affecting the New Era Area Elastic Substrate.

### KEY FEATURES AND BENEFITS

- ✓ Premium Area or Combined Elastic sports floor – built with unique flexjoists for high performance
- ✓ Adjustable height (72–364 mm) – uses New Era cradles to overcome uneven sub-floors
- ✓ Complies with EN14904 A4 or C4 standard – ensuring safety and professional sports performance
- ✓ Customisable load-bearing – supports bleacher seating and additional project-specific needs



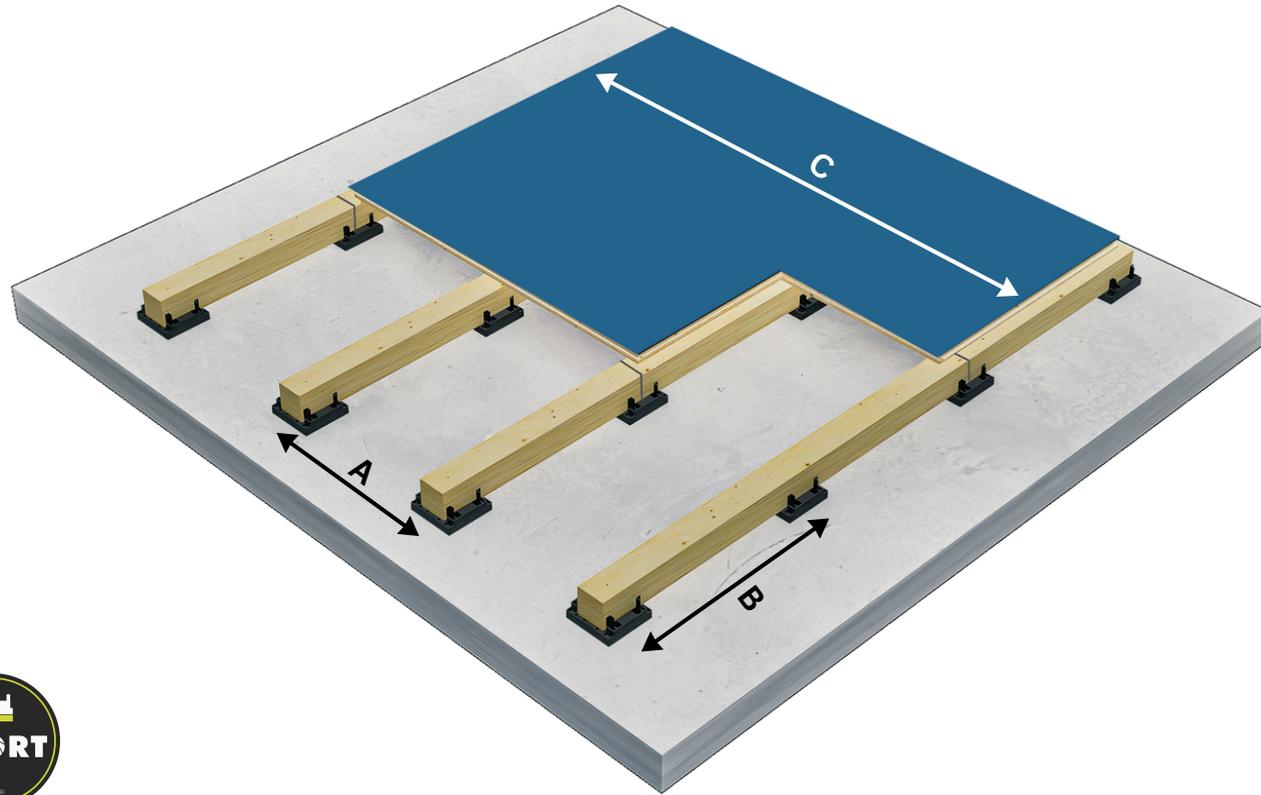
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Find Out More



# GYMFLEX PLAY FLEXJOIST & CRADLE LAYOUT



		A	B	Plywood	C
Flexjoist Size	36mm	Flexjoists 300mm	Cradles 450mm	Floor Stagger >	Floor 1200mm
	48mm	Flexjoists 300mm	Cradles 600mm		Floor 1200mm

Note: All Flexjoists must be staggered centrally on a cradle to ensure floor is tied together

# GYMFLEX PLAY

Floor Finish	Vinyl (2mm or 6.2mm) LVT (4.5mm)
Structural Layer	1x Layer 18mm T&G Plywood
Usage	Sports Arenas (Vinyl only), Dance Studios , Activity spaces & Spin Studios
Cradles	New Era Sports*
Flexjoists	36 or 48mm flexjoists**
Floor Heights	72-324mm***
Flexjoist Centres	300mm
Cradle Centres (Along Flexjoist)	450mm (36mm Flexjoist), 600mm (48mm Flexjoist)
Acoustic Reduction	25db
Loading	500kg per m2 Static Load & 350kg point load
Standard	Area or Combined Elastic BSENI4904 Part A4 or C4

## GYMFLEX PLAY VINYL FLOOR OPTIONS



## GYMFLEX PLAY LVT OPTIONS



\*Cradle Calculations: 8.5 per m2 (36mm Flexjoist) 7.0 per m2 (48mm Flexjoist)

\*\*Flexjoist Calculations: 1.7 per m2

\*\*\*2mm from 72-320mm (Area Elastic), 6mm from 76-324mm (Combined Elastic)

“Performance starts beneath the surface”

# WHY CHOOSE NEW ERA CRADLES



The NEW ERA cradles set a new benchmark in floor levelling systems, developed through continuous innovation and a thorough understanding of the challenges associated with uneven subfloors. It delivers a practical, cost-effective, and versatile solution for addressing variations in subfloor levels, while complying with the latest acoustic standards.

NEW ERA does not require a subfloor finished to tight tolerances. When planning your installation, it can also remove the need for expensive screeds or power-floated bases, helping to reduce overall project costs.

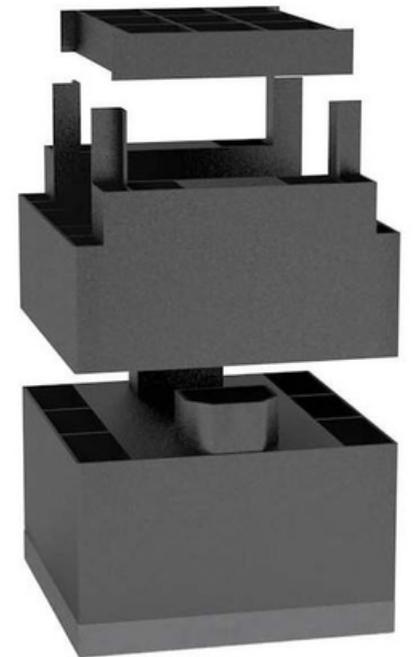


New Era Cradles have been used successfully in the flooring industry for over 30 years



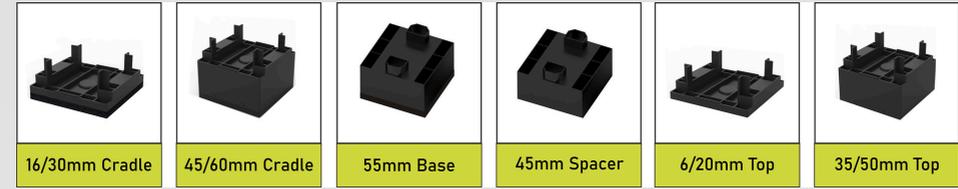
## > Practical

- ✓ All sports and Acoustic cradles are made in the UK using recycled plastic.
- ✓ Tested by Sports Labs Ltd to ensure it conforms to the highest standards of BSEN14904 part A3/A4 & combined elastic C4.
- ✓ Tested at AIRO Laboratory to the highest acoustic standard in conjunction with Part E to meet the FFT2 Robust detail.
- ✓ Designed for traditional batten floor construction for commercial, domestic and multisports flooring.
- ✓ Resilient foam-backed injection moulded modular flooring supports.
- ✓ New Era components are impervious to moisture and are extremely durable.
- ✓ New Era modules are available in a wide range of heights to cater for most level deviations.
- ✓ Pre-cut packers from 1.5mm to 12mm are readily available.
- ✓ New Era is simple and quick to install and easy to specify, especially when supplied as a complete system.



# Versatile

- ✓ New Era levelling systems offer far more than the ability to overcome average or out of tolerance level deviations.
- ✓ System construction heights range from 72mm to 367mm, allowing for a wide range of services, under floor heating and insulation to be installed within the floor void.
- ✓ New Era can overcome large "step" level deviations and "wells" often found in the subfloors of old buildings.



 The 16/30 & 45/60 cradles are dual elevation to give a greater height range in each component, therefore making surveys & ordering very simple

- ✓ New Era levelling elements are available in three module types that cater for all aspects of floor levelling.
- ✓ The ability to support and level batten floor system within this range makes New Era probably the most versatile levelling system available.

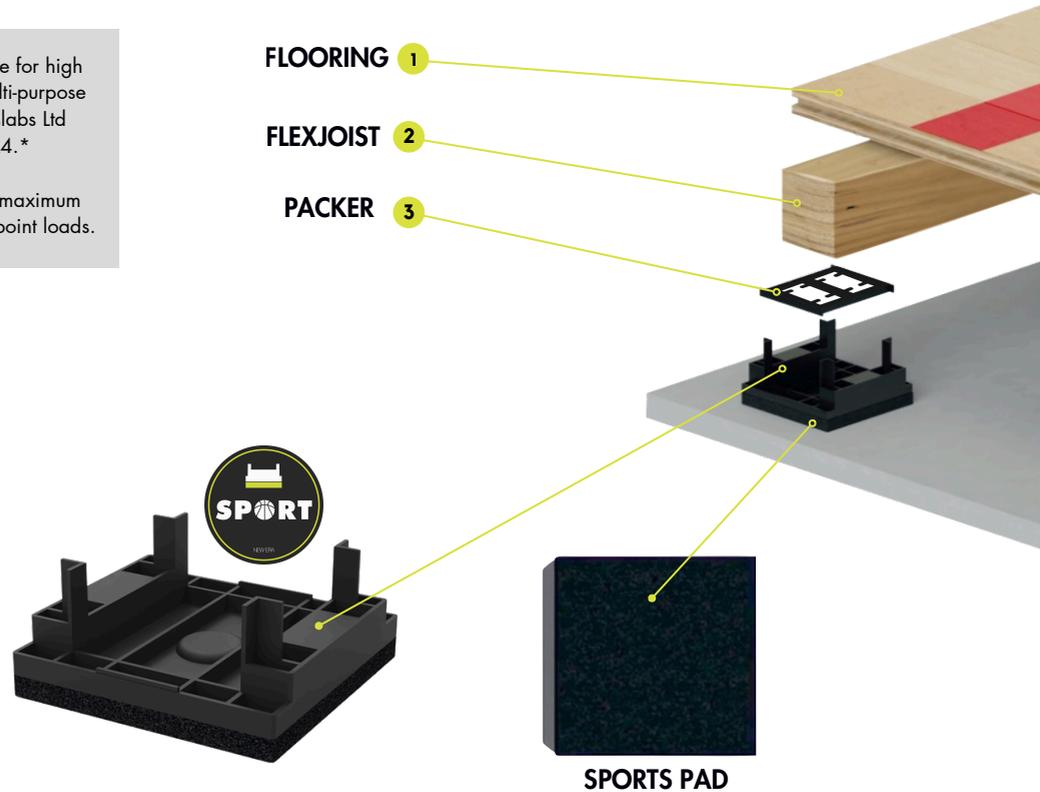
CONSTRUCTION HEIGHTS RANGE FROM  
**72MM TO 367MM**

## SPORTS CRADLE

New Era Sports Cradles are designed for high performance sports, Dance and multi-purpose applications to enhance the playing surface enabling the best results from any activity. The cradles have been independently tested by Sportslabs Ltd to demonstrate the compliance to BSEN14904 Class A3 & A4, ensuring safety, durability and optimal performance in demanding environments, whilst still offering excellent impact sound reduction of up to 25db, making this an ideal impact isolator for first floor gyms.

New Era Sports Cradles are suitable for high performance sports, dance and Multi-purpose use and have been tested by Sportslabs Ltd and conforms to En14904: Class A4.\*

New Era sports cradles can take a maximum spread load of 500kg per m<sup>2</sup> and point loads.



SPORT	16/30mm Cradle	45/60mm Cradle	55mm Base	45mm Spacer	6/20mm Top	35/50mm Top
S1	S2	S3	S4	S5	S6	
16-30mm	45-60mm	61-75mm	90-105mm	106-120mm	135-150mm	
S7	S8	S9	S10	S11	S12	
151-165mm	180-195mm	196-210mm	225-240mm	241-255mm	270-285mm	

\*Table above shows cradle build-up heights before adding packers, flexjoists and floor finishes

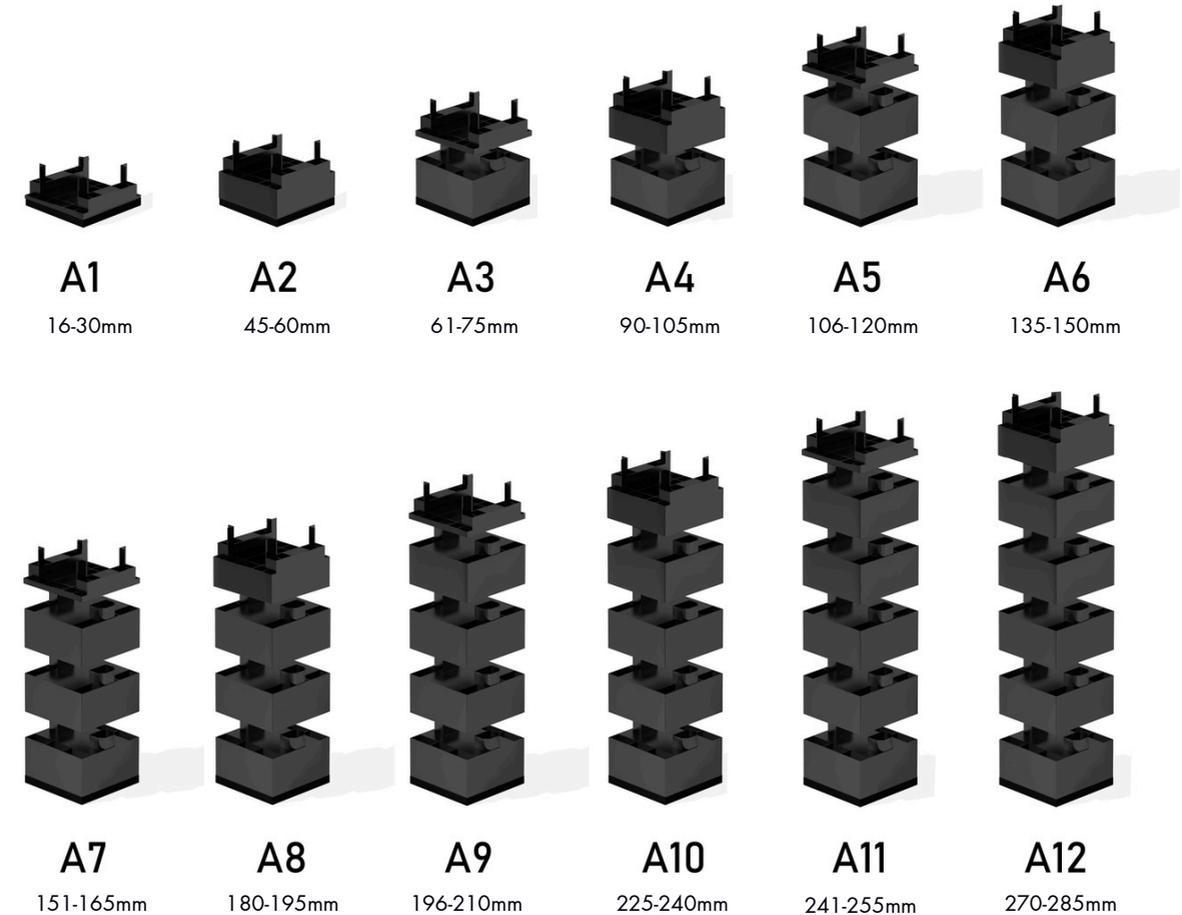
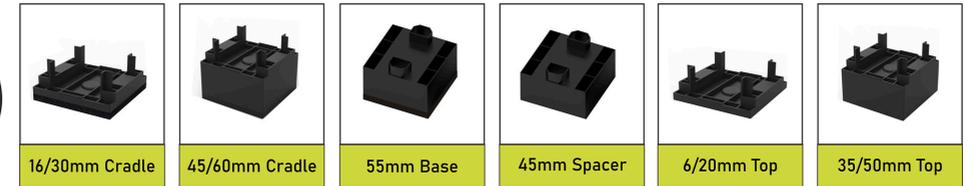
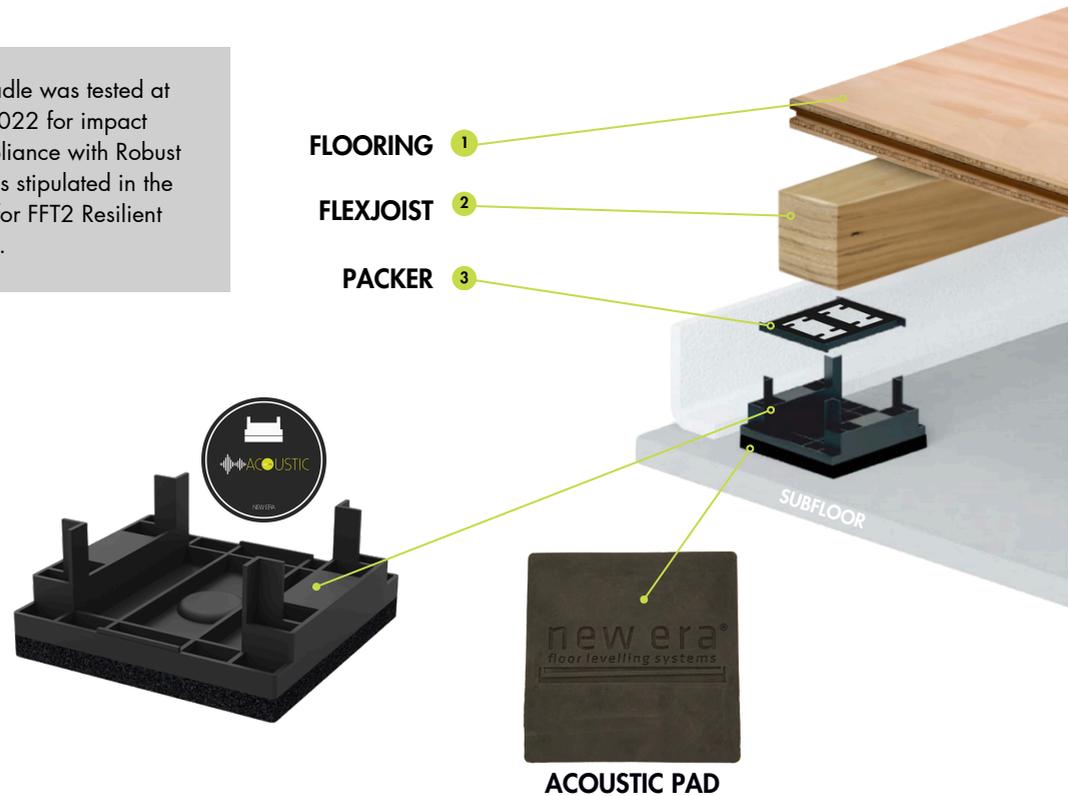
## ACOUSTIC CRADLE

New Era Acoustic Cradles deliver high-performance impact sound isolation, achieving up to 28dB reduction in sound transfer when installed on upper floors. This makes the system ideal for both new build and refurbishment projects.

The unique New Era rubber isolation pad is engineered to support high loads while minimising vertical deflection, making it particularly suitable for areas with increased load requirements.

The system has been extensively tested at the AIRO laboratory and complies with Part E regulations and Robust Detail FFT2 (Resilient Cradle & Batten System).

The New Era acoustic cradle was tested at AIRO on the 27th April 2022 for impact sound insulation for compliance with Robust Details Ltd requirements as stipulated in the Robust Detail Handbook for FFT2 Resilient Cradle and batten system.

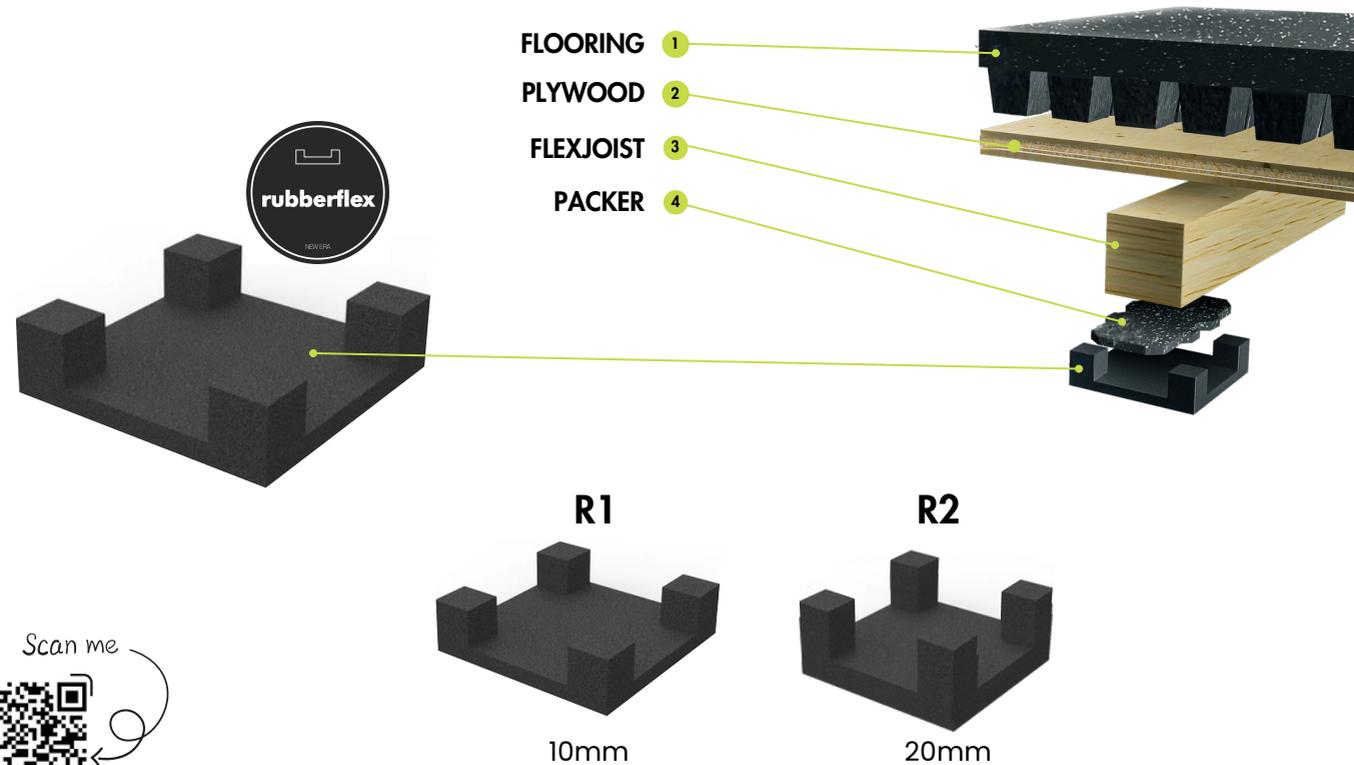


\*Table above shows cradle build-up heights before adding packers, flexjoists and floor finishes

## RUBBERFLEX CRADLE

New Era Rubberflex Cradles are engineered for extreme impact flooring systems, delivering exceptional shock absorption and performance. This makes them ideally suited for free weights areas, powerlifting zones, and Olympic weightlifting platforms.

The system provides outstanding acoustic isolation while maintaining the strength and resilience required to withstand high-impact loading, creating a safe, high-performance environment for demanding training spaces.





## LAMINATED FLEXJOIST

New Era LVL laminated Flexjoists are unique and specially manufactured from poplar plywood to add to the Performance of the cradle system. Available in 36, 48 & 63mm thickness, the Flexjoists have no weaknesses from knots or imperfections and will not twist or warp in use.

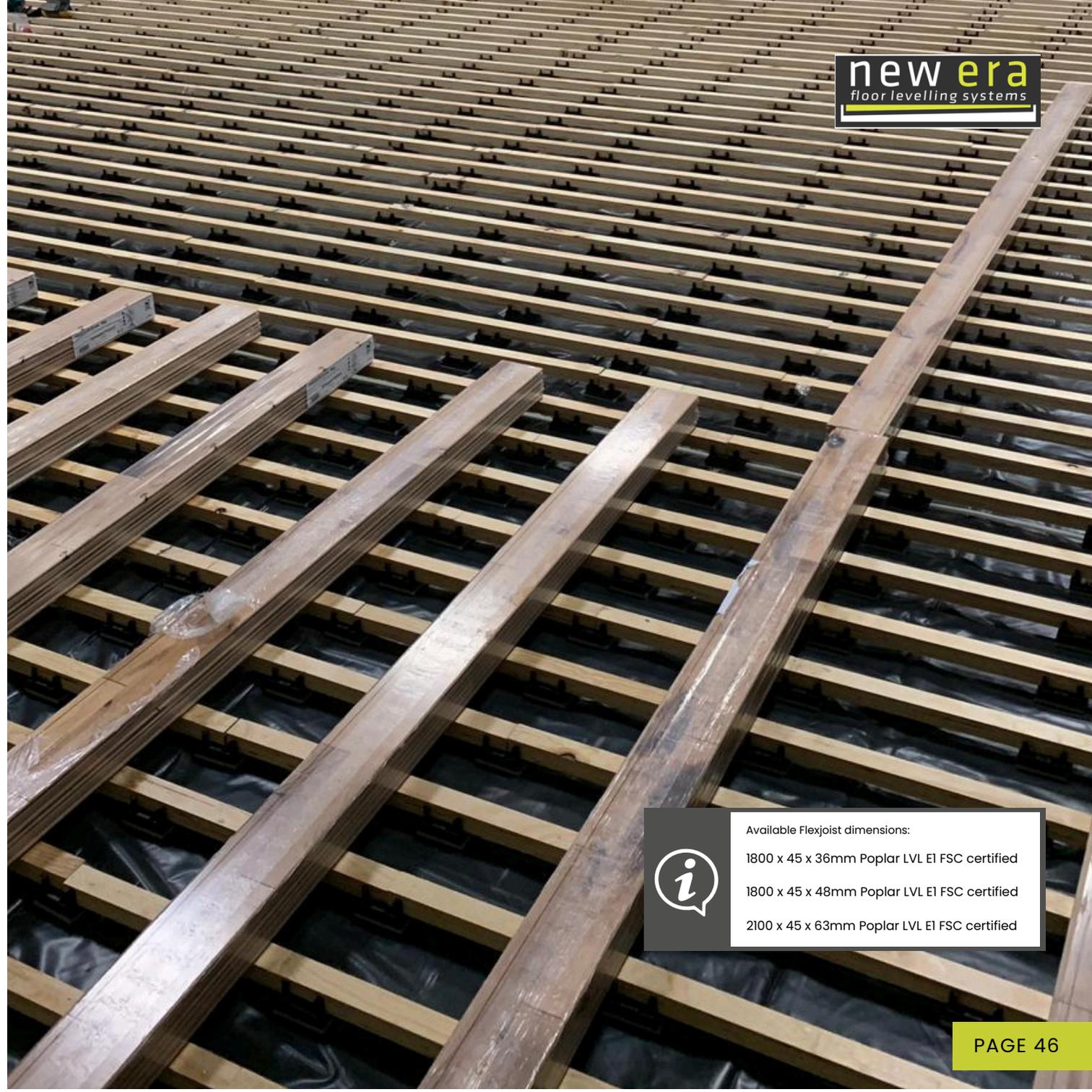
### Key Features and Benefits

- ✓ High strength-to-weight ratio – 540kg/m<sup>3</sup> density with bending strength up to 60 N/mm<sup>2</sup> and MOE up to 10,000 N/mm<sup>2</sup> provides strong, stiff sections without excessive weight.
- ✓ Reliable structural performance – good bending, tension (25 N/mm<sup>2</sup>) and shear strength (2.8 N/mm<sup>2</sup>) make it suitable for demanding load-bearing applications.
- ✓ Consistent, precise sizing – standard depth options (36, 48 & 63mm) and 45mm width allow easy design, detailing and repeatable installation.
- ✓ Dimensional stability – controlled moisture content of 8–10% reduces risk of warping, twisting or shrinkage.
- ✓ Low emissions – E1 emission rating supports healthier indoor environments and compliance with strict building standards.
- ✓ Efficient logistics – high pallet quantities maximise transport efficiency and reduce handling time on site.

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Available Flexjoist dimensions:  
1800 x 45 x 36mm Poplar LVL E1 FSC certified  
1800 x 45 x 48mm Poplar LVL E1 FSC certified  
2100 x 45 x 63mm Poplar LVL E1 FSC certified

## FLOOR FINISH OPTIONS

### GYMFLEX SOLID FLOOR



Gymflex Solid Flooring is a 22mm thick board, supplied as a 2-strip tongue and groove board (22 x 129 x 1830mm). Suitable for use with underfloor heating systems, the flooring is FSC certified and available in a range of colour options. Please refer to the relevant system specifications for further details.

### GYMFLEX PLAY SPORTS VINYL



High-performance vinyl sports flooring available in a range of colours and two thicknesses to meet athletic standards:

- 2mm (Area Elastic): Fully bonded surface achieving BS EN 14904 A4, offering consistent resilience for multi-sport use.
- 6.2mm (Combined Elastic): 98% adhesive-free for easy replacement, achieving BS EN 14904 C4 for enhanced shock absorption.

Both options are installed on the Gymflex Play system.

### GYMFLEX LAYERED FLOOR



Gymflex Layered Flooring is available in Beech or Oak. Supplied as a 3-strip tongue and groove board (21 x 215 x 2200mm) with a 5.5mm solid hardwood wear layer, it delivers durability and a high-quality finish. The flooring is suitable for use with underfloor heating systems and is FSC certified, ensuring responsibly sourced materials.

### GYMFLEX LVT



The Gymflex LVT floor is available in a range of finishes.



GOLDEN

LINEN

GREY

Gymflex LVT is a luxurious vinyl wood plank design, which is a fast fit solution for quick renovations with minimal downtime. The beautiful wood effect design is water and stain resistant and very durable to withstand multi use activities. This product can be used in conjunction with the Gymflex Cardio & Play systems.

Board Dimensions: 4.5mm x 229mm x 1219mm

## GYMFLEX 20MM RUBBER TILE (1000MM X 1000MM)



Gymflex Rubber Tiles are extremely durable and provide excellent impact protection against heavy weights. The top layer is formed from high density rubber flooring at 2.5mm thick making it durable and easy to clean. The base layer is made from recycled rubber and EPDM 100% out of recycled tyres, giving it a high density shock absorbing layer. These tiles are joined using interlocking connectors, making them easy to install.

## GYMFLEX 40MM RUBBER TILE (500MM X 1000MM)



## COMPONENTS

### GYMFLEX WISA PLYWOOD



Gymflex Wisa Plywood is made from cross-bonded Nordic Spruce for excellent strength and stability. It features tongue and groove edges on all sides for easy alignment and a tight fit. Class 3 (EN314-2), G/III grade with a smooth, defect-free sanded face. Size: 18mm x 2400mm x 600mm.

### GYMFLEX SHOCKROLL



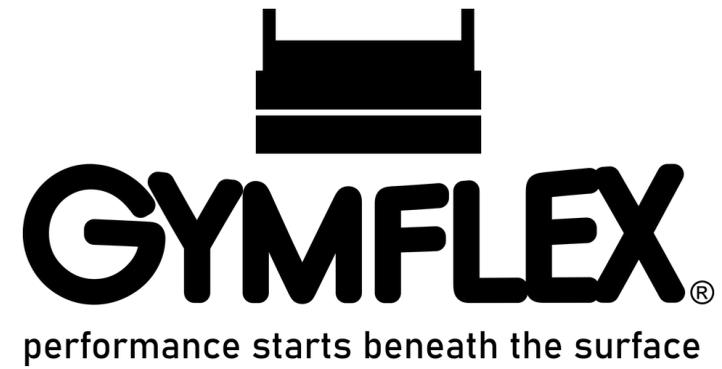
Gymflex Shockroll is a 5mm recycled rubber which is used in the Gymflex Powerlift system to give added shock absorbency for heavy weight use areas.

Roll Dimensions: 5mm x 1m x 10m

FOR INFORMATION ON THE MAINTENANCE OF  
GYMFLEX PRODUCTS PLEASE SCAN THE QR CODE.



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