



# InstaCradle

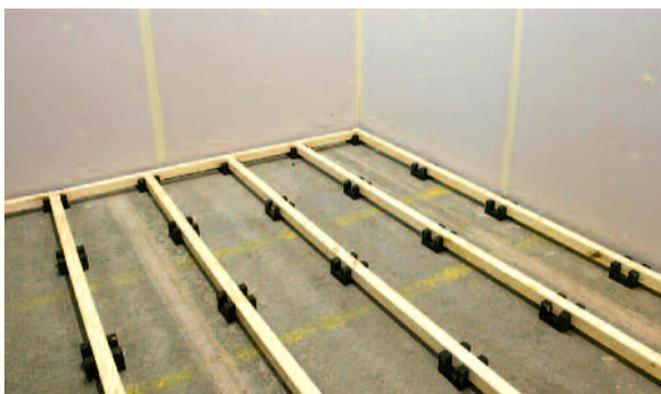
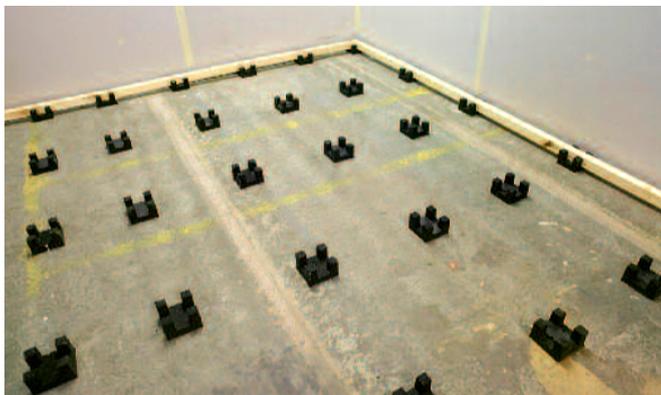
High performance **acoustic**  
**and sports** cradles with  
floor levelling system

**THE FLOORING CONNECTION PTY (LTD)**



## Rubber crumb cradles for raised, acoustic and sports flooring

Our unique, patented, rubber crumb cradles and base packers are manufactured from quality recycled tyre rubber. Together with cradle packers, timber battens overlaid with chipboard, plywood or a hardwood, they form the prime component in creating high performance acoustic and sports floors which can accommodate a variety of floor coverings.



Widely used in **refurbishment, conversions and new build projects**, these **versatile and environmentally friendly** cradles are able to provide an extensive range of finished floor heights. They also provide accurate and rapid on-site levelling to eliminate any unevenness in the structural floor surface. The InstaFloor Cradle and Batten System is designed either as a **raised floor, accommodating underfloor services, or as a floor offering extremely high standards of acoustic and sports performance**. InstaCradles can be quickly and easily levelled on-site with the use of cradle packers and base packers, as required. InstaFloor can supply complete systems with all necessary components or, for those wishing to purchase the battens and chipboard or plywood locally, we can supply the cradles, together with cradle packers (2mm or 5mm) and base packers (10mm or 30mm).

Made from recycled tyre rubber

100% recyclable  
*'Cradle to Cradle'*

Long-lasting  
**60 years** guarantee

# BENEFITS



**60**  
year  
guarantee



**fast, easy** and  
**cost-effective**



made from  
**recycled rubber**



**lightweight**



**unaffected**  
by **water**



**long-lasting,**  
**high-performing**



**no drying**  
**time**



requires **no**  
**maintenance**



provides a void  
for **underfloor**  
**heating**



Excellent  
**acoustic**  
performance



Fully  
**recyclable**



no **sub-floor**  
**fixing** required



On-site floor  
**levelling**



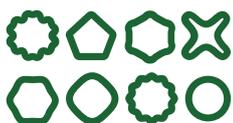
genuine  
**'cradle-to-**  
**cradle'** product



used in  
**abnormal**  
**loadings areas**



suitable for  
**outside**  
**decking**



accepts a  
**range of floor**  
**finishes**



hardwood floors  
can be **secret**  
**nailed** directly



**Adjustable**  
flooring  
**heights**

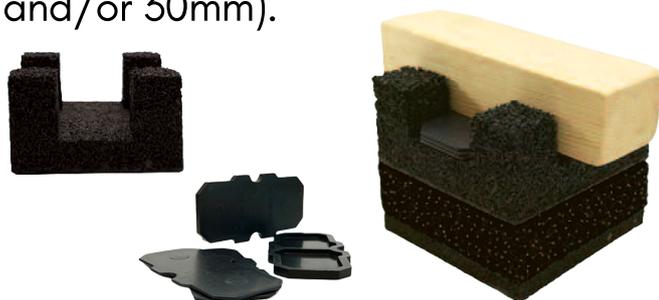


buy as  
**components**  
or full **system**

# APPLICATIONS



The rubber crumb cradles can be **installed quickly** and **avoid the need for levelling screed** with extensive drying times. InstaCradles facilitate **easy levelling of uneven sub-floors** by placing combinations of 2mm and 5mm cradle packers beneath the battens within the cradle legs. Using the cradle packers, it is possible to level to within 5mm of the top of the cradle leg, i.e. 35mm within a 40mm leg cradle and 20mm within a 25mm leg cradle. If additional levelling is required, then this can be achieved with the use of base packers (10mm and/or 30mm).



	Acoustic Cradles	Sports Cradles	Base Packers
High Acoustic Performance	✓		
New Build	✓	✓	
Timber Floor - Level	✓	✓	
Timber Floor - Uneven	✓	✓	
Concrete Floor - Level	✓	✓	
Concrete Floor - Uneven	✓	✓	
Timber Frame	✓		
Kitchen & Bathroom Areas	✓		
Timber Decking	✓		
Commercial Installations	✓		
Schools	✓		
Sports Floors		✓	
Dance Floors		✓	
Free Weight Areas	✓		
Abnormal Loadings	✓		
Underfloor Heating	✓	✓	
Floor Levelling Capability	✓	✓	
Increased Floor Height			✓
Access Runs	✓	✓	
Access For Services	✓	✓	

## PRODUCT INFORMATION

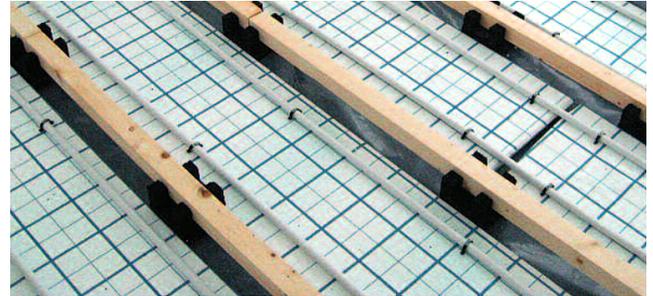
	40mm Leg, 20mm Base Acoustic	25mm Leg, 20mm Base Acoustic	25mm Leg, 10mm Base Acoustic	40mm Leg, 20mm Sports Acoustic	25mm Leg, 20mm Sports Acoustic	10mm Base Packer	30mm Base Packer	2mm Cradle Packer	5mm Cradle Packer
Recommended use	See Applications Above								
Height	60mm	45mm	35mm	60mm	45mm	10mm	30mm	n/a	n/a
Compound	92% recycled tyre tread			91% recycled tyre tread		91% recycled tyre tread		recycled polypropylene	
Bonding agent	Flexible Polyurethane								
Colour	Black			Burgundy		Black		Black	
Guarantee	60 years								
Weight	0.25kg	0.18kg	0.13kg	0.25kg	0.18kg			n/a	n/a
Box quantity	90	120	150	90	120	162	54	300	100
Box weight	22.50kg	21.60kg	19.50kg	22.50kg	21.60kg	17.82kg	17.82kg	2.8kg	1.6kg
Measured Improvement of Impact Sound ( $\Delta L_w$ ) BS EN ISO 140-8:1998	28	28	28	n/a	n/a	n/a	n/a	n/a	n/a
Compliant with EN 14904 (Standard for Multi-Sports Floors in Europe)	n/a	n/a	n/a	Yes	Yes	n/a	n/a	n/a	n/a
Fire Tests according to BS 4790:1987 (2009) – Hot Metal Nut Method	Low Classification/ Radius of Effects of Ignition					n/a	n/a	n/a	n/a
Odour	No Objectional Odour								

# FITTING TIPS AND CONSIDERATIONS



**This tips and considerations should be read in conjunction with the comprehensive and detailed fitting instructions which can be viewed and/or downloaded from [www.theflooringconnection.com](http://www.theflooringconnection.com)**

- **The type of InstaCradle** (40mm leg, 25mm leg, 20mm base or 10mm base) will depend on the required finished floor height and final application:
- **Acoustic Cradles** are best used for high acoustic performance, in areas subject to high foot traffic, or where the floor is exposed to abnormal loadings. In such cases, please refer to the InstaFloor Technical Department for advice.
- **Sports Cradles** are perfect for use in most sports floor applications or in systems requiring increased shock absorption performance.
- **The floor receiving InstaCradle should be hard, dry, free of debris and reasonably smooth** (tamped finishes are acceptable). If a screed has been applied, it must be fully cured before beginning the InstaCradle installation.
- **InstaCradles are easily and accurately levelled, using laser levels.** Perfectly level floors are achieved using combinations of 2mm and/or 5mm cradle packers beneath the battens within the cradle legs.
- **If there is a risk of high moisture levels to the sub-floor** (exceeding a relative humidity of 75%), it is recommended that a damp-proof membrane (DPM) is laid beneath the system.
- **A DPM** (such as a 1200 gauge polythene sheeting), should be installed over all ground floor slabs and new concrete bases above ground floor.



- **Joints should be lapped a minimum of 150mm**, and taped and sealed with waterproof adhesive tape (with edges upturned to the same heights as the overlay boards at all perimeter walls).
- **When increased floor heights are required**, catering for specific design criteria, deep services or very uneven sub-floors, base packers (10mm and 30mm) or deep timber battens can be used for **rapid, cost-effective height adjustment**. A maximum of 4 base packers can be used below each cradle, increasing the floor height by up to 120mm (4 x 30mm base packers).
- **Access runs are easily created by introducing removable boards**, cut to suit. Ensure that the access run boards and adjoining floorboards meet in the centre of a batten and that access boards are supported by cross-battens located within the cradles. Additional cradles and battens may be required to suit the position of the access runs. A 2mm gap should be maintained between the floor boards and the access run boards to avoid squeaking.
- **In long corridors**, intermediate expansion joints may be required for cradle and batten systems.

# GUARANTEE



**InstaCradle** high performance acoustic and sports cradles are **guaranteed for a period of 60 years** from the date of installation. The guarantee applies to all types of indoor installations when used as a sub-floor system.

Our **polyurethane bonded recycled rubber cradles** will have a life span in excess of 60 years when installed and operated within normal living conditions (including kitchen and bathroom areas) and protected from ultraviolet (UV) light.

**InstaCradle** will **maintain its integrity** for this time span provided it is not subjected to abnormal conditions such as undue physical loading.

This **guarantee covers against manufacturing defects** and is only upheld in instances where our recommended product selection and installation methods have been strictly adhered to.

**In the event** of a confirmed product failure due to a manufacturing defect, the company will replace the defective cradles with new equivalent products, free of charge.



# ACOUSTIC PERFORMANCE

Product	Acoustic Performance ( $\Delta L_w$ )
InstaCradle (10mm Base)	28dB
InstaCradle (20mm Base)	28dB

# SOUND INSULATION

InstaCradle provides an excellent solution for **reducing impact** and **airborne sound**.

The **rubber crumb granules** ensure **noise reduction** and exceptional **support to all floor coverings**.



## THE FLOORING CONNECTION (PTY) LTD

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