

## Crajoist – Decking & Floor Levelling Cradle System



Fine Levelling Shims

Joist Support Cradle

Optional Base Extenders

Rubber Base Pad

The Bradplas Joist support Decking and Floor Levelling System is used to support or raise a timber joist based decking or floor system and aid in levelling the finished floor.

Designed to fit standard 2inch floor joists which sit within the system to provide the height required whilst installing over a solid substrate. e.g. concrete, hardcore, existing timber floor etc.

The system allows for the construction of floors over a larger surface area without the need for joists to sit within walls.

The rubber pad provides excellent reduction in the transmission of impact and airborne sound as the floor is essentially raised. As the base pad is constructed of rubber, this provides traction for stability and also acts as a water barrier to moisture.

The interlocking cradle fits within the pad and floor joists are then laid into the cradle to construct the joist floor. Benefiting from a cross sectional design allows for joists to fit in tightly as well as providing additional support to cross member/noggins.

Fine levelling shims can be inserted to account for uneven substrates or base extenders are available in 10mm, 15mm and 20mm where there are severe undulations in the substrate or there is a requirement to raise the floor for laying utilities. e.g. Access floors, Waste pipes, Central heating runs, underfloor heating etc.



# Crajoist

Designed and Manufactured in the  
United Kingdom.  
[www.bradplas.co.uk](http://www.bradplas.co.uk)



The System can be used on both timber and solid subfloors (concrete, hardcore, flag based etc) and is suitable for use in both new build and refurbishment projects.

Variety of applications :-

New Builds

Hotels

Schools

Offices

Conversions (commercial or residential)

Full and Partial Access Floor systems

Decking projects

Sports and Activity settings

Level Floor Requirements

Acoustic reduction requirements. .

Open plan living applications..

Exhibition Platforms and decks.

## Crajoist – Decking & Floor Levelling Cradle System

The systems is designed to be fast, easy and cost-effective to install.

- Adjustable to produce varying finished floor heights
- The system does not need to be screwed or glued to the substrate.
- Takes away the requirement of using levelling screeds or the drying times associated.
- Manufactured using recycled rubber and plastics.
- System can provide a void for services/underfloor heating
- Resilient to water, moisture and rot.
- Requires no maintenance
- Can accept a range of floor finishes.
- lightweight system
- On-site levelling to overcome uneven floors.
- Speed of installation ensures trades can work quicker to complete projects.



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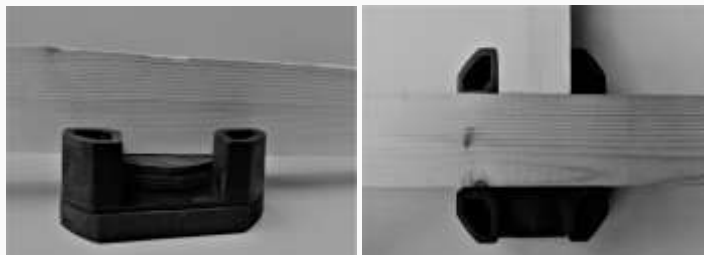
## Crajoist – Decking & Floor Levelling Cradle System



The system is designed to interlock providing stability and a solid support base for joists or battens. Supplied complete including a base, cradle and fine adjustment levelling shims.

Base extenders are available separately.

The rubber base pad and interlocking cradle will provide a height increase of 14mm from the sub floor. Finer adjustment shims are available to use in 2mm, 3mm or 5mm and can be supplied as a combination to meet the requirements of the project.



Stackable interlocking base extenders fit into the system to aid in levelling or to meet the desired floor height required. Extenders available in 10mm, 15mm and 20mm.

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Product	Material	Dimension L x W x D mm
Rubber Base Pad	Rubber *	108 x 108 x 12
Cradle	Polypropylene *	105 x 105 x 2
Base Extenders 10mm 15mm 20mm	Polypropylene *	108 x 108 x 10 108 x 108 x 15 108 x 108 x 20
Levelling shims 2mm 3mm 5mm	Polypropylene *	Diameter x D 78 x 2 78 x 3 78 x 5

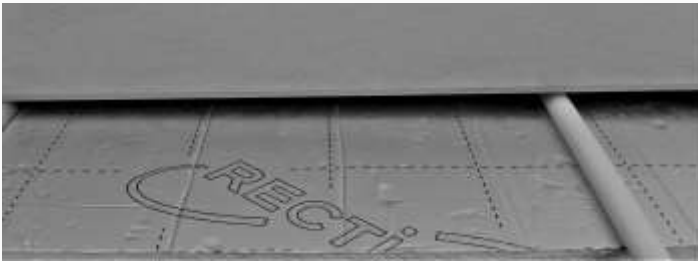
\* Recycled rubber and polypropylene is used in the manufacturing process.

## Crajoist – Decking & Floor Levelling Cradle System



Can be used internally or externally for deck based projects, sheds, garden rooms/office, roof gardens etc.

Can be used to create full or partial access floor systems to allow for maintenance or where there is a requirement to run utilities.



Will complement the installation of underfloor heating by providing the height required to install varying systems.



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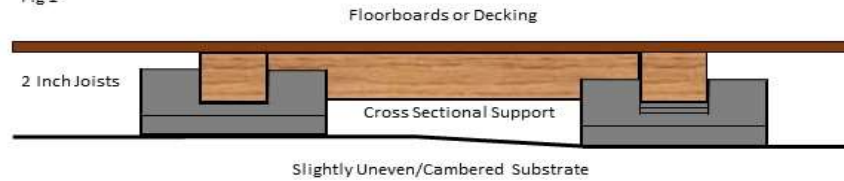
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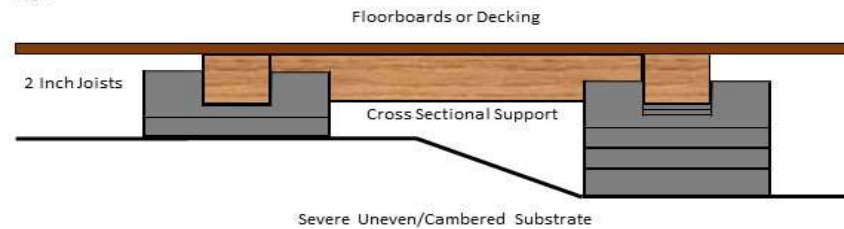
Fig 1



Fine Levelling Shims  
Joist Support Cradle  
Rubber Base Pad

For slightly uneven substrates or to achieve a slight fall in the finished floor the fine level shims can be used to level the floor or provide the required fall gradient.

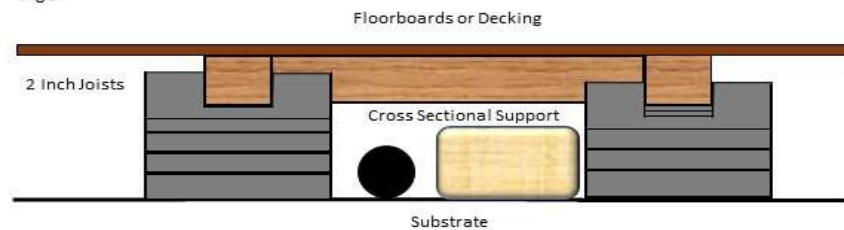
Fig 2



Fine Levelling Shims  
Joist Support Cradle  
Base Extender  
Rubber Base Pad

For Severe uneven substrates or to achieve a slight fall in the finished floor the base extenders can be used to level the floor or provide the required fall gradient.

Fig 3



Fine Levelling Shims  
Joist Support Cradle  
Base Extender  
Rubber Base Pad

Base extenders can be used to create required floor heights, for full or partial access floors, to run utilities, insulation, underfloor heating etc



## Crajoist – Decking & Floor Levelling Cradle System

The Crajoist has been designed and is manufactured on our site in the UK.

Contact us directly to discuss your requirements and our pricing and lead times. We hold this product in stock and can run manufacturing runs to accommodate volumes and provide shorter lead times in order to keep your project on time and within budget.

Contact us by email at [sales@bradplas.co.uk](mailto:sales@bradplas.co.uk) or call us on 01274 081056 and one of our account executives will be happy to discuss your requirements.

Visit our shopping page at [www.bradplas.co.uk](http://www.bradplas.co.uk) if you require smaller quantities for specific projects.



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