



Cradle and batten acoustic flooring system

www.instagroup.co.uk

Cradle and batten acoustic flooring system

- Patented system delivers outstanding acoustic performance exceeds requirements of UK Building Regulations
- Dry alternative to screed, system is installed directly on a damp-proof membrane on the concrete slab and is commonly used in residential and hotel projects
- Levels uneven floors on-site



- Rubber cradle manufactured from recycled lorry tyres
- Battens made from FSC® certified timber or recycled UPVC window frames
- Cradle Base Packers made from recycled rubber tyres
- The system can be used with LVT, carpet and tiles

Peace of mind

Teams trained in our system install passive fire protection as part of our works.

All in-house quality procedures achieve third-party accreditation.

Compare cradle and batten acoustic flooring with traditional screed installation:



- **Cuts installation time by 30%**
saving months on the project timeline
- **No drying, no waiting times** – as soon as the last board is laid other trades can start
- **Over 5 times lower embodied carbon**
compared with sand and cement screed
- **Streamlines the construction sequence**
– no wet trade contractors, just one contractor with one responsibility to get the job done
- **Lightweight system** – over 4 times lower loading onto the structure, compared to anhydrite screed
- **Constructability** – different cradle heights and packers under the battens can achieve a level finish from an uneven slab
- **Improves efficiency** – underfloor heating can be installed at the same time
- **Tested for fire resistance and acoustic performance** – reports available on request

System components

Timber Batten (FSC® certified)

25 x 43 x 1800mm, 35 x 43 x 1800mm,
43 x 43 x 1800mm, 70 x 43 x 1800mm

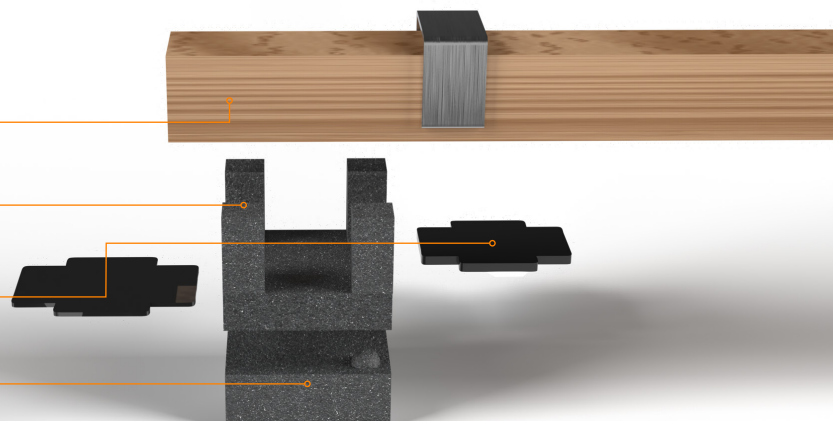
Recycled Rubber Crumb Cradle

Cradle Packers

2mm, 5mm

Cradle Base Packer

10mm, 30mm





South Quay Plaza Canary Wharf, London

Main Contractor:
Berkeley Homes (SEL) Limited

Project Scope:
Manufacture, Design and Installation

- Full UFH commissioning package: over 22 miles of under floor heating pipework was supplied and 48,000m² of flooring installed
- Project saved more than 11,000 lorry tyres from landfill
- Accredited Hilti Fire Stopping
- Achieved full compliance with the client's site requirements, quality procedures and construction programme



Battersea Power Station London

Main Contractor:
Sir Robert McAlpine

Project Scope:
Manufacture, Design and Installation

- Project covered over 600 apartment units
- No wet trade needed: we replaced the screed option saving them 12 weeks in programme
- Reduced number of trade interfaces on-site
- Full UFH commissioning package
- Accredited Firetherm Fire stopping



See more of our
case studies
scan the qr code



Elephant & Castle London

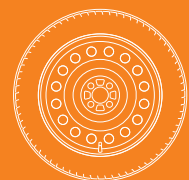
Main Contractor:
Lendlease Construction

Project Scope:
Manufacture, Design and Installation

- Full UFH commissioning package including thermostatic controls
- Over 2,000 units delivered
- Environmentally sustainable solution supported the aims of Elephant Park to be the UK's first Climate Positive Development
- Accredited Nullifire fire stopping

Supporting sustainable construction

- **No concrete screeds** – less transportation and less energy use, reduced CO2 emissions and lower levels of embodied carbon in the construction
- **Reduced environmental impact** – cradles are manufactured from recycled rubber crumb made from worn vehicle tyres, battens are made from FSC certified and sustainably sourced timber or recycled UPVC window frames. Every 5 m² of flooring saves 1 tyre from landfill so over 10,000m² of flooring saves 2,000 tyres going to landfill
- **Less landfill** – our acoustic systems prevent thousands of tons of vehicle tyres going to landfill every year
- **Improves energy efficiency and construction efficiency** – Our acoustic flooring installation can include the complete UFH package, saving coordination and additional design requirements
- **Our environmental management system** is certified ISO 14001
- **InstaGroup acoustic flooring systems have a 60-year guarantee** and will last the lifetime of the building



Find out more about our sustainable construction scan the qr code



About Us

- Over 25 years of experience in manufacturing, supplying and installing acoustic systems
- Part of InstaGroup established in 1980
- Trusted for our technical excellence and in-house expertise
- Our people are our most important asset, and we invest in and continually train our teams
- We offer a complete service, from specification support, system design and technical back-up to Pre-Completion Testing
- We limit contractor risks and liabilities – see some of our safety accreditations below:



For a full list of our
safety accreditations
scan the qr code





Expert advice for your next project

For more on our acoustic cradle and batten flooring, or to find out about our acoustic systems for walls and ceilings, please get in touch.



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