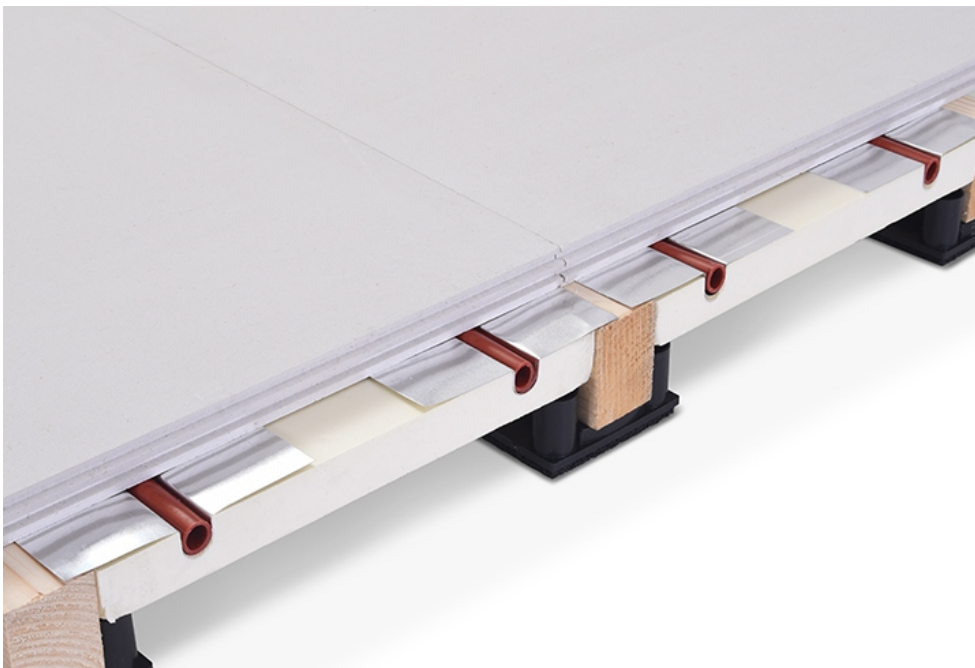




RUBBER*fon*[®] **Cradles**

Floor levelling Acoustic Cradles and Batten System

- ⬡ Installation guidelines
- ⬡ Proven constructions
- ⬡ Technical data sheets
- ⬡ Top tips













INSTALLATION GUIDE

RUBBERfon Cradles

June 2019

1. Pre-Installation

Before commencing installation, take time to familiarise yourself with the products and installation instructions. To complete the installation you will need the following items:

- | | |
|--|---|
|  RUBBERfon Cradles |  YELOfon Edge Strip |
|  2/3/5mm RUBBERfon packers |  Pro or fon Adhesive |
|  RUBBERfon Elevation Blocks (if required) |  Laser or spirit level |
|  Timber battens |  Hand or circular saw |
|  HiDECK Structural or chipboard |  Tape measure |

2. Sub-Floor Preparation

Whilst it is not necessary to level a subfloor before installing the RUBBERfon cradle and batten system, it is important that any floor is dry and structurally sound.

3. Underfloor Heating Systems

If installing underfloor heating systems in between the battens, take time to familiarise yourself with the layout of the pipework and underfloor heating panels. It is important to carry out all required tests on the underfloor heating system, including pressure testing prior to fixing the overlay board in place. Do not use the underfloor heating to artificially dry any adhesive.

CELLECTA highly recommends that HiDECK Structural is utilised over the top of a cradle and batten system containing underfloor heating due to its low thermal resistance, making the underfloor heating five times more thermally conductive.

Please contact our technical team for further advice on load capabilities, heat outputs or acoustic performance on 01634 296677.

4. Installation of RUBBERfon Cradles

Starting in the far left hand corner of the room, place the first cradle 10mm away from both walls.

Install cradles around the perimeter of the floor at the appropriate centres, typically 400mm or 600mm depending on the loads being imposed on the floor and the thickness/type of the overlay board.

Install 45mm wide timber battens into the cradle (depth to suit floor height required), ensure a cradle is installed to support the ends of the timber battens.

Install the cradles and battens across the floor at the appropriate centres. Ensure the cradle is fully sat on the RUBBERfon acoustic pad provided.

Utilising a laser level, identify where the floor needs levelling and by how much, install the correct size depth of packer underneath the timber. RUBBERfon Packers can be supplied in 2,3 & 5mm thickness and can be multi-stacked to achieve the required depth. Where possible, packers should run in the same direction as the batten.

If the RUBBERfon cradle and packer is supporting multiple battens, ensure that all timber is sat on the packer.

For very uneven subfloors or to create a service void, utilise RUBBERfon Elevation Blocks underneath the acoustic cradle to raise the floor system. These elevation blocks are designed to stack on top of each other to a maximum of 150mm.

RUBBERfon Cradles

June 2019

4. Installation of RUBBERfon Cradles (continued)

For services that need to run through the floor ensure the batten is not in contact with the pipe.

Support the batten either side of the pipe with a **RUBBERfon Cradle**.

Ensure any services will not come in contact with the board once it is installed on the battens - if registering for **Robust Detail** the gap between the subfloor and overlay board must be a minimum 50mm when the floor is loaded to 25kg/m² in accordance with the **Robust Detail** handbook.

5. Overlay Board Installation

Install your overlay board at a 90 degree angle to the timber battens and in a staggered formation, all joints should be staggered by a minimum of 150mm.

HiDECK Structural

If installing **HiDECK Structural** over the top of the **RUBBERfon Cradle and Batten** system refer to the **HiDECK** installation guide found on our website or by contacting our technical department.

Chipboard

Utilising **CELLECTA Fon Adhesive**, ensure that all joints are bonded, with the short edge of the board supported by a timber batten. An intermediate batten supported by cradles can be utilised where a short joint does not naturally fall on the cradle and batten system.

Fix chipboard in place with appropriate screws or annular ringed shank nails.

Ensure that suitable expansion joints are allowed for around the edge of the room or in long corridors, please speak to **CELLECTA**'s technical department or the chipboard manufacturer for further details.

Ensure both the edge of the overlay board and the skirting boards are isolated from the wall treatment with **YELOfon Edge Strip**. Failure to do so will result in acoustic failure.

6. Partitions and thresholds

Any internal partitions built off the subfloor must be isolated from the floor treatment using the **YELOfon Edge Strip**. Should lightweight, non-loadbearing partitions be built off the acoustic treatment, battens should be doubled up underneath.

At a door threshold, place one batten under the leading edge of the apartments floor deck and one under the communal areas floor deck, leaving a 5mm (min) gap between the overlay board. Ensure that the detail complies with the regulations set out in Part B of building regulations (Fire Safety).

7. Sanitary Wear & Kitchen Units

Under high load areas, such as kitchen or bathrooms, bring the centres of the battens and cradles in to create a 300mm x 300mm grid. Should it be deemed necessary please seek further loading advice from a structural engineer.

RUBBERfon® Cradles

Floor Levelling Acoustic Cradles and Packers



Product Information

RUBBERfon acoustic cradles are designed to quickly and easily level an uneven structural floor. Incremental high impact plastic packers are inserted between the cradle and timber batten. The battens are then covered with a decking board to complete the treatment.

Product Benefits

- Outstanding acoustic performance
- Levelling packers available in three sizes: 2, 3, 5mm
- Suitable for all floor types
- Robust Detail **FFT2** compliant
- Incorporates recycled rubber acoustic pad

Technical Information

		RUBBERfon	
		Cradles	Packers
Product description	-	Floor levelling acoustic cradles	High impact plastic packers
Cradle height (when loaded to 25kg/m²)	mm	12	N/A
Packer thickness	mm	N/A	2, 3, 5
Cradle dimensions	mm	80 x 80	N/A
Composition	-	High impact plastic	High impact plastic
Resilient layer	-	10mm re-bonded rubber crumb	
Associated flanking strip required	-	YELOfon ESS/120	

Third Party Accreditation and Approvals



Environmental Credentials



HiDECK Structural® 25, 28 & 30

High Conductivity Structural Floorboard



Product Information

HiDECK Structural is a conductive structural floorboard ideal for acoustic batten & cradle and batten applications incorporating an underfloor heating system. The board's low thermal resistance enables the system to operate more efficiently, providing long term running cost savings.

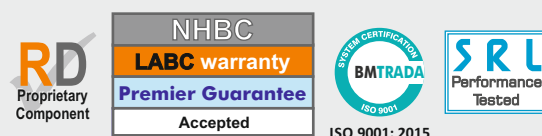
Product Benefits

- Outstanding performance - Robust Detail proprietary structural board for **FFT1, 2 & 3**
- Low thermal resistance - Perfect for UFH applications
- Suitable for all types of steel, concrete and timber floors
- Feels like screed

Technical Information

		HiDECK Structural		
		25	28	30
Product description	-	Tongue and groove, high density gypsum, low thermal resistance structural floorboard		
Thickness	mm	25	28	30
Thermal resistance	-	0.0625	0.070	0.075
Bearing spacing (45mm wide)	mm	400 (max) centers	400 (max) centers	400 (max) centers
Board dimensions	mm	600 x 1200	600 x 1200	600 x 1200
Weight	kg/m² kg/board	31.25 10.74	35.00 19.29	37.50 23.32
Associated flanking strip required	-	YELOfon ESS/120	YELOfon ESS/120	YELOfon ESS/120

Third Party Accreditation and Approvals



Environmental Credentials

