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[www.newerafloorsystems.co.uk](http://www.newerafloorsystems.co.uk)



# UNEVEN SUB FLOORS? EASY...

**new era**  
floor levelling systems

As the name suggests NEW ERA provides a new standard in flooring levelling systems through progressive development and a complete understanding of problems inherent with uneven sub floors. NEW ERA achieves a practical, cost effective and versatile solution in overcoming inconsistencies in variable subfloor levels and conforms to all the latest standards for acoustics.

NEW ERA does not require a subfloor produced to high tolerances. When planning your installation remember NEW ERA can eliminate the need for a costly screed or power floated base.



New Era Cradles have been used successfully in the flooring industry for over 20 years

# WHY CHOOSE NEW ERA ?

practical



cost effective



versatile

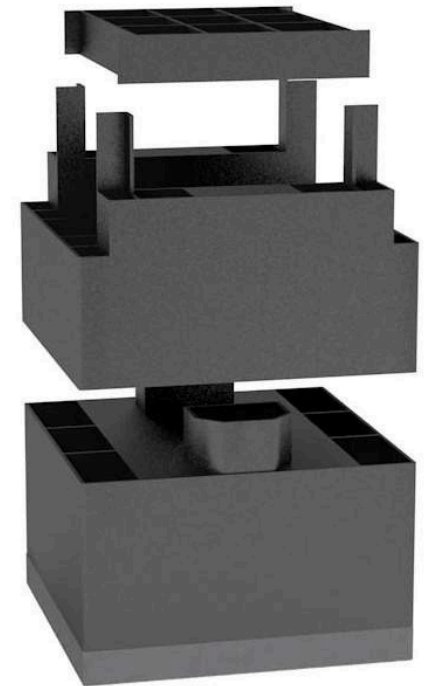


tested & approved



## > practical

- ✓ Manufactured in the UK using recycled plastic.
- ✓ Tested at AIRO Laboratory to the highest acoustic standard in conjunction with FFT2 detail.
- ✓ Designed for traditional batten floor construction for commercial, domestic and multiport's 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.
- ✓ New Era is recognised by major flooring suppliers as being an effective problem solver in over coming uneven subfloor.



## > cost effective

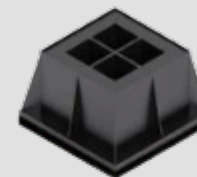
- ✓ New Era does not require a subfloor produced to high tolerances. When planning your installation remember New Era can eliminate the need for a costly screed or power floated base.
- ✓ New Era levelling systems are dry installations with no base drying time to consider - few moisture problems and more cost effective.
- ✓ The accepted standard tolerance for a batten floor “base” is defined in BS 8204 Part 1 and is maximum level deviation of 3mm over 3 LM. Increases to this tolerance can affect both the floor and its warranty.
- ✓ New Era systems are often used to remedy level discrepancies where tolerances with a concrete base or screed have not been met. Unfortunately an unsuccessful base can sometimes leave insufficient floor depth for a remedial levelling system. If possible plan ahead...specify New Era from day one.
- ✓ New Era can be used with underfloor heating systems, fitted between the battens.



## > 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 433mm 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.

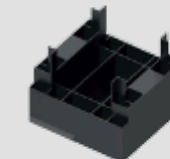
[www.newerafloorsystems.co.uk](http://www.newerafloorsystems.co.uk)



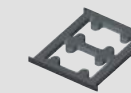
Height Extender  
(75mm)



Cradle Base  
(Multiple Options)



Cradle Top  
(Multiple Options)



Packers  
(1.5mm - 12mm)



*i* 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 systems within this range makes New Era probably the most versatile levelling system available.

CONSTRUCTION HEIGHTS RANGE FROM  
**72MM TO 433MM**



## > tested & approved



New Era cradles have been used successfully in the flooring industry for over 20 years

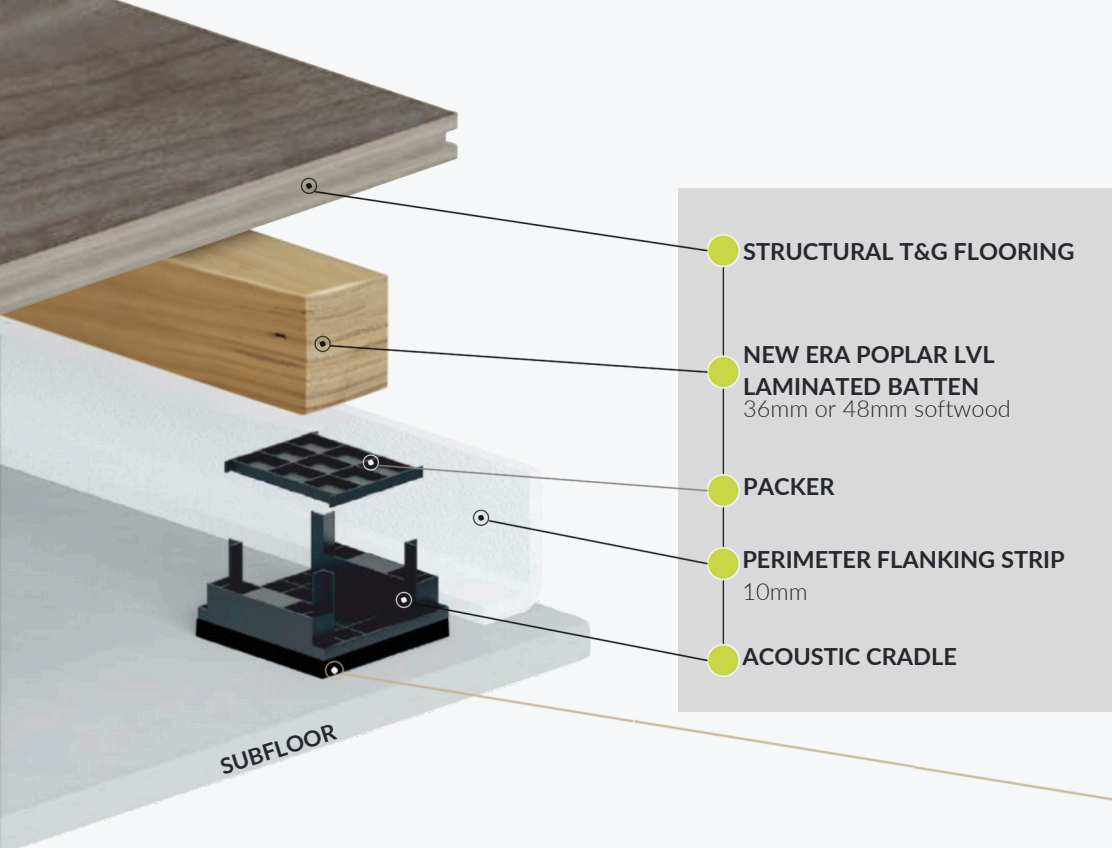


### acoustics



Fully tested to meet the requirements of the Document E regulations for impact sound reduction in accordance with the robust details for resilient cradle and batten systems.

# A **NEW ERA** IN SOUND REDUCTION CRADLES



OUR RECYCLED RUBBER ACOUSTIC PAD HAS BEEN TESTED AT THE AIRO LABORATORY FOR ACOUSTICS IN COMPLIANCE WITH THE ROBUST DETAIL LTD REQUIREMENTS FOR THE DOCUMENT E REGULATION.



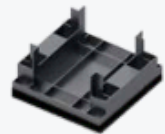
New Era Acoustic Cradles have been tested in compliance with Robust Details Limited requirements as stipulated in the Robust Detail Handbook for FFT2 Resilient Cradle and batten system.

The minimum performance for this specification is  $rd\Delta Lw = 17dB$ . New Era Acoustic Cradles achieved  $rd\Delta Lw = 28dB$  with the minimum build up.

Test data available for download on our website  
[www.newerafloorsystems.co.uk/technical](http://www.newerafloorsystems.co.uk/technical)

## IMPROVED TEST RESULTS

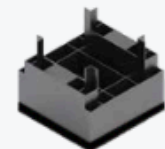
The New Era acoustic cradle was tested at AIRO on the 27th April 2022 for impact sound insulation for compliance with Robust Details Ltd requirements as stipulated in the Robust Detail Handbook for FFT2 Resilient Cradle and batten system.



### TEST 1

Ref L/3554/2 was with the 16/30mm cradles using a 36mm batten (average floor height 74-80mm) Result was **28db sound reduction**

-28 db

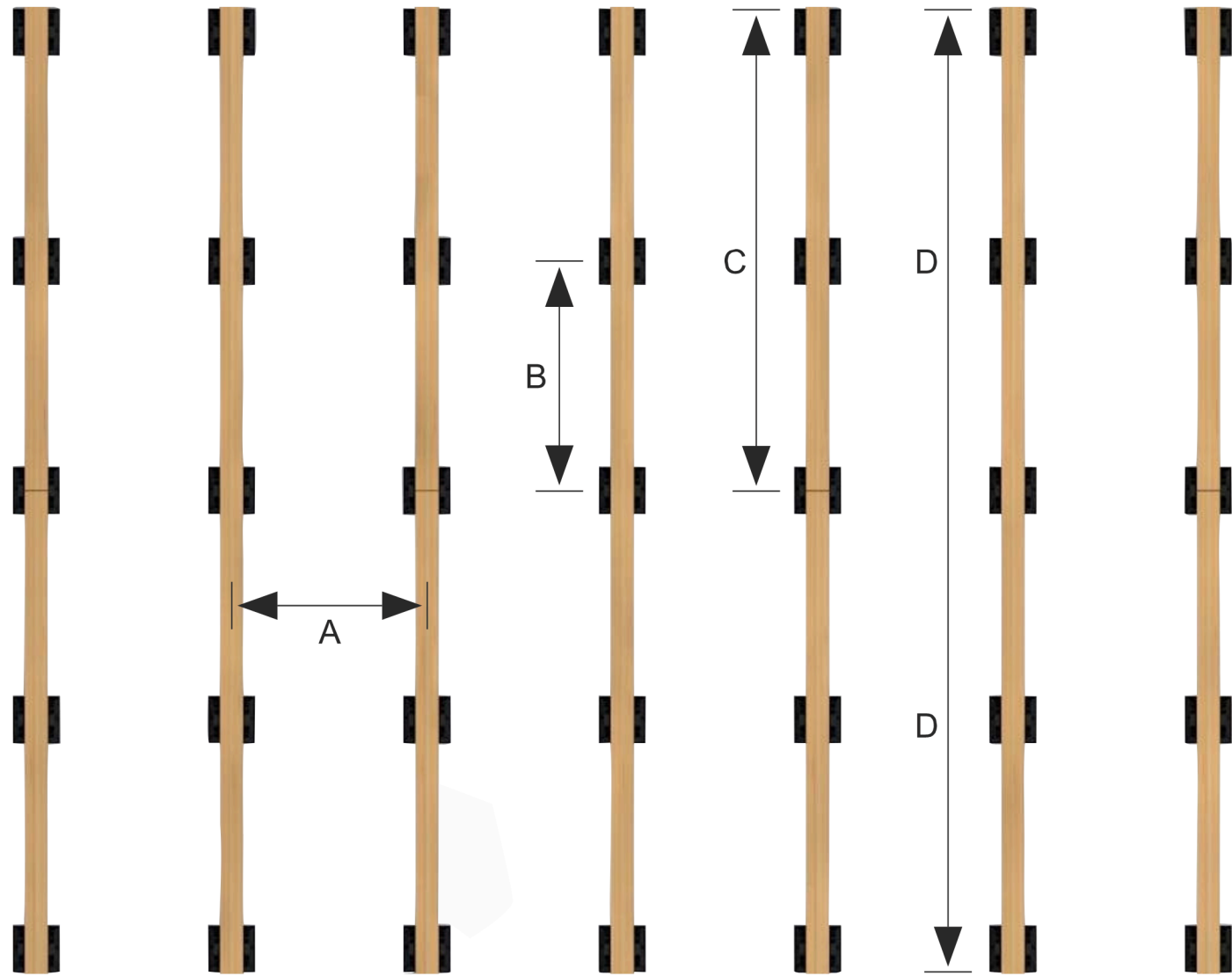


### TEST 2

Ref L/3554/3 was with 45/60mm cradle using a 46mm batten (average floor height 136-138mm) Result was **29db sound reduction**

-29 db





## > installation

The diagram on the left page illustrates the necessary requirements of setting out battens in staggered lengths which enhances the strength of the system.

| Floor Type           | Plywood 2400mm<br>Screedboard 1200mm |       | Plywood 2400mm<br>Screedboard 1200mm |       |
|----------------------|--------------------------------------|-------|--------------------------------------|-------|
|                      | Batten Centres                       | 300mm | 300mm                                | 400mm |
| Batten Thickness     | 36mm                                 | 48mm  | 36mm                                 | 48mm  |
| Cradle Centres       | 450mm                                | 600mm | 450mm                                | 600mm |
| Cradles req'd / m2   | 8.75no                               | 6.5no | 6.6no                                | 4.9no |
| LM Batten req'd / m2 | 3.6Lm                                | 3.6Lm | 2.7Lm                                | 2.7Lm |



A

B

Batten Stagger



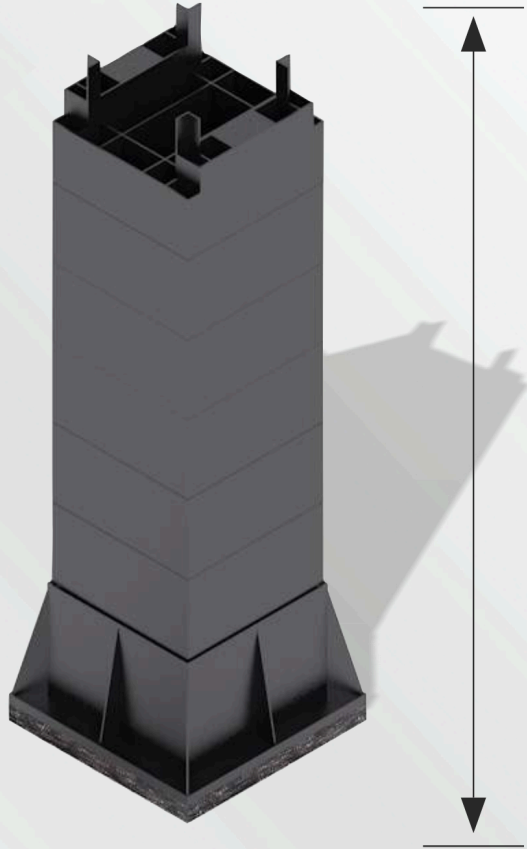
C

D





MAX 433mm



MIN 72mm

NEW ERA SYSTEMS

20mm Floor  
36mm Batten

20mm Floor  
48mm Batten

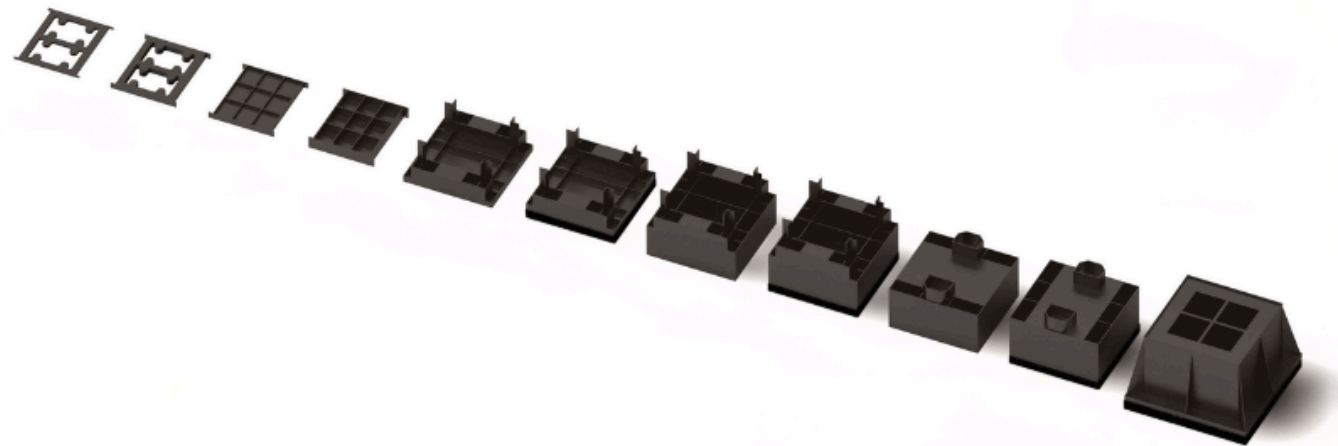
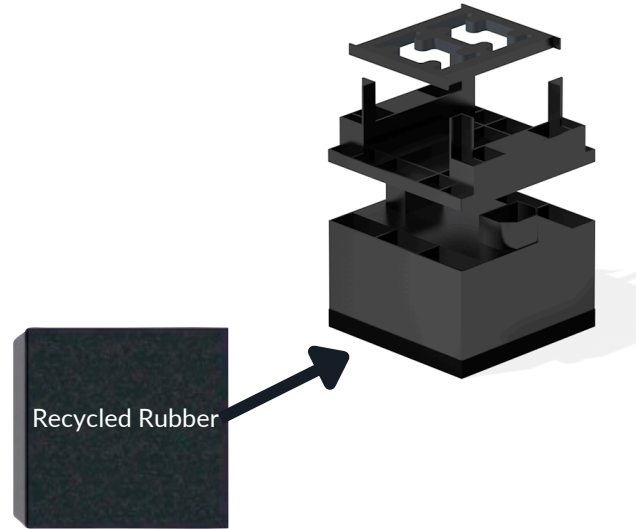
| NEW ERA SYSTEMS              | 20mm Floor<br>36mm Batten | 20mm Floor<br>48mm Batten |
|------------------------------|---------------------------|---------------------------|
| Single Unit                  | Construction /            | Packing Height            |
| System 1                     | 72-101mm                  | 84 - 113mm                |
| System 2                     | 101-131mm                 | 113 - 143mm               |
| Multi 2 Unit                 | Construction /            | Packing Height            |
| System 3                     | 117 - 146mm               | 129 - 158mm               |
| System 4                     | 146 - 176mm               | 158 - 188mm               |
| Multi 3 Unit                 | Construction /            | Packing Height            |
| System 5                     | 162-191mm                 | 174 - 203mm               |
| System 6                     | 191-221mm                 | 203 - 233mm               |
| Multi 4 Unit                 | Construction /            | Packing Height            |
| System 7                     | 207-236mm                 | 219 - 248mm               |
| System 8                     | 236-266mm                 | 248 - 278mm               |
| Multi 5 Unit                 | Construction /            | Packing Height            |
| System 9                     | 252-281mm                 | 264 - 293mm               |
| System 10                    | 281-311mm                 | 293 - 323mm               |
| Multi 5 Unit Height Extender | Construction /            | Packing Height            |
| System 11                    | 272-301mm                 | 285 - 314mm               |
| System 12                    | 301-331mm                 | 313 - 342mm               |
| Multi 6 Unit Height Extender | Construction /            | Packing Height            |
| System 13                    | 317-346mm                 | 329 - 358mm               |
| System 14                    | 346-373mm                 | 358 - 388mm               |
| Multi 7 Unit Height Extender | Construction /            | Packing Height            |
| System 15                    | 362-391mm                 | 374 - 403mm               |
| System 16                    | 391-421mm                 | 403 - 433mm               |



**Product Description**

New Era Acoustic cradles offer a high performance of impact sound insulation and will offer up to 28db reduction on sound transfer when used on upper floors, making this perfect for new build specifications or renovations.

The recycled rubber isolation pad will offer excellent loading and is ideal for all surfaces, whether free weights or general use. The acoustic cradles have been extensively tested at the AIRO laboratory in compliance with the Robust Detail Handbook, FFT2 Resilient Cradle and Batten system.



**Product Description**

New Era LVL laminated battens are unique and specially manufactured from Polar plywood to add to the performance of the cradle system.

Available for the sports range in 36,48 & 63mm thickness, the battens have no weaknesses from knots or imperfections and will not twist or warp in use.



| Batten Size | Width | Length | Pallet Quantity |
|-------------|-------|--------|-----------------|
| 36mm        | 45mm  | 1800mm | 800             |
| 48mm        | 45mm  | 1800mm | 560             |
| 63mm        | 45mm  | 2100mm | 420             |

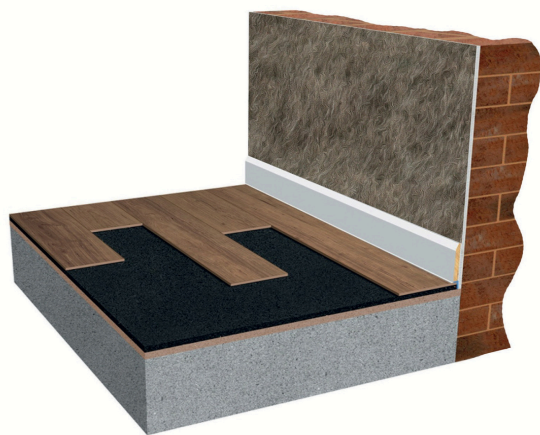
NEW ERA 3MM & 5MM ACOUSTIC UNDERLAY MS 500 ADHESIVE

Product Information

New Era Acoustic Underlay Is a high density re-bonded recycled rubber & cork crumb resilient underlay. It is our highly effective and most slimline resilient layer available for the reduction of impact noise in concrete constructions. It's density gives minimal compression leaving you a long lasting and effective solution that can receive a wide range of floor finishes.

Product Benefits

- Significantly reduces impact sounds.
- Can be installed under finished flooring.
- Guaranteed constant thickness and density.
- Does not deform, maintains efficiency long term.
- Pre-fabricated recycled tire granule mat.
- Low compression under heavy loads.
- May be used in retro fit.



Technical Information

3mm Acoustic Underlay

|             |              |
|-------------|--------------|
| Dimensions  | 3mm x 1.0m x |
| Roll Area   | 15m 15 m2    |
| Roll Weight | 33.75 kg     |
| Density     | 750 kg/m3    |
| Mass        | 2.25 kg/m2   |

5mm Acoustic Underlay

|             |              |
|-------------|--------------|
| Dimensions  | 5mm x 1.0m x |
| Roll Area   | 10m 10 m2    |
| Roll Weight | 37.5 kg      |
| Density     | 750 kg/m3    |
| Mass        | 3.75 kg/m2   |



Product Description

MS500 Wood Floor Adhesive from New Era is a high-strength, single-part silane polymer adhesive. The advantage of MS500 is that it can be used for bonding most types of wood flooring including wood blocks, engineered, laminated & solid wood plank flooring and the New Era Range of Acoustic Underlays.

MS500 is also compatible with under-floor heating systems. It cannot be used over bitumen-based subfloors. This adhesive is compatible with most substrates including sand and cement screeds, concrete, Anhydrite (Calcium Sulphate) screeds, stone and timber.

For compatibility confirmation with the underfloor heating systems contained within the substrate contact the Technical Team.



|                                |   |
|--------------------------------|---|
| Coverage Rate:                 | Approx 1-1.3kg per m2 with 4mm or B6 triangular notch trowel. |
| Packaging:                     | Available in 17kg/10 ltr plastic buckets.                     |
| Colour:                        | Brown.  |
| Working Time:                  | 20 mins approx. depending on atmospheric conditions.          |
| Application Temperature Range: | +15°C to +35 °C.<br>R.H. Maximum 70%                          |

NEW ERA NEW ERA PLYWOOD

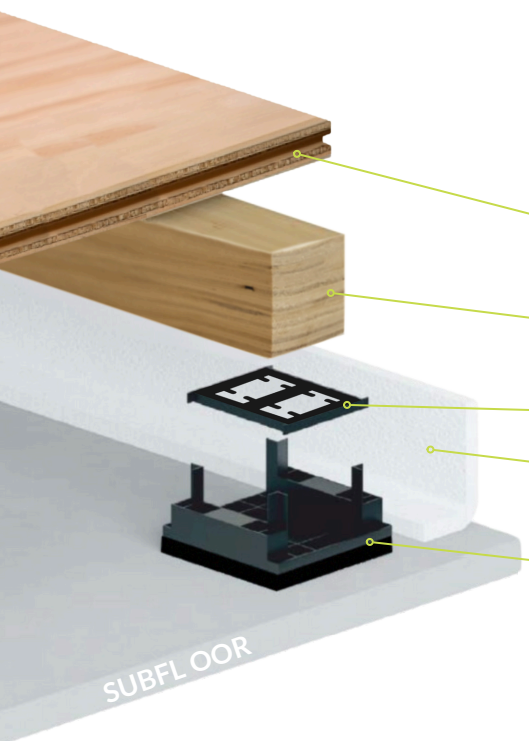
**PRODUCT DESCRIPTION**

New Era T&G plywood is an engineered plywood flooring panel specifically designed for use in house building, light industrial and commercial applications.



**DIMENSIONS, PACKING & WEIGHTS**

|                                |                             |                     |
|--------------------------------|-----------------------------|---------------------|
| WISA-Sprucefloor 600 TG4       | 18 mm                       | 22 mm               |
| Nominal and laid size/measure  | 2400 x 600 mm               | 2400 x 600 mm       |
| Edge profile                   | TG4                         | TG4                 |
| Weight per board (at 10 % m.c) | 12 kg                       | 15 kg               |
| Boards per pack                | 100                         | 82                  |
| Laid per pack                  | 97.92 m2                    | 80.64 m2            |
| Volume per pack                | 2.6 m3                      | 2.6 m3              |
| Weight per pack                | 1220 kg                     | 1280 kg             |
| Sustainability Certifications  | BREEAM Hea 9/Hea02 (VOC's). | CE marked EN636-2 S |



- 1 PLYWOOD
- 2 NEW ERA LVL LAMINATED BATTEN  
36mm or 48mm
- 3 PACKER
- 4 PERIMETER FLANKING STRIP  
10mm
- 5 ACOUSTIC CRADLE

NEW ERA SCREEDBOARD

SCREEDBOARD

NEW ERA LVL LAMINATED BATTEN

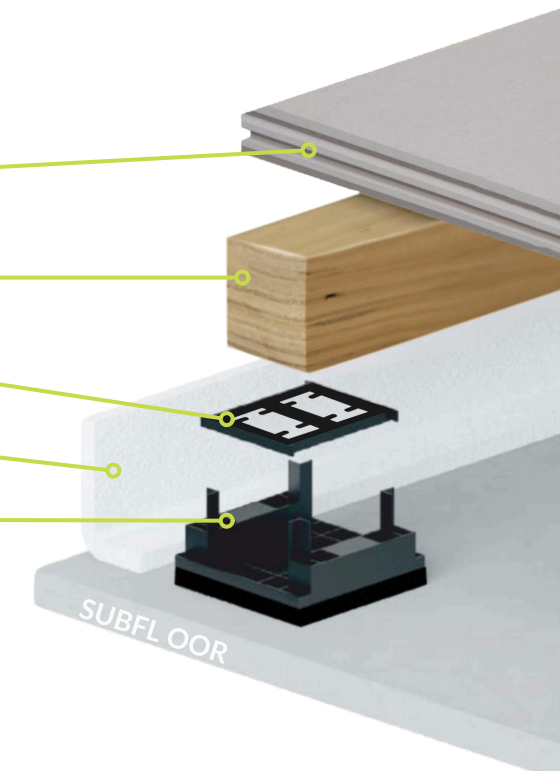
36mm or 48mm

PACKER

PERIMETER FLANKING STRIP

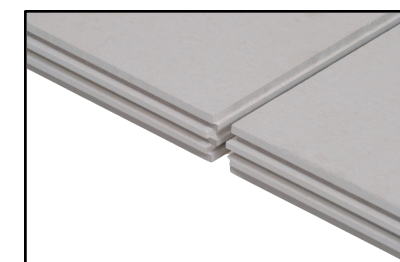
10mm

ACOUSTIC CRADLE



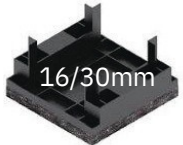
**PRODUCT DESCRIPTION**

New Era Structural is a conductive floorboard ideal for our acoustic batten & cradle 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.



**Technical Information**

|                               |                         |
|-------------------------------|-------------------------|
| Brand Name                    | HiDECK Structural 25    |
| Thickness                     | 25mm                    |
| Thermal Resistance            | 0.0625m2K/W             |
| Bearing Spacing (45mm wide)   | 400mm (max) centers     |
| Board Dimensions              | 600mm x 1200mm          |
| Weight                        | 31.25kg/m2 22.5kg/board |
| Flanking/Edge Strips Required | YELOfon ES5/120         |



S1



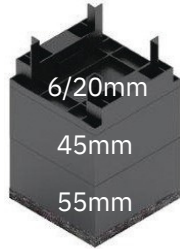
S2



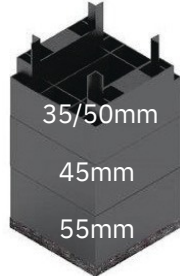
S3



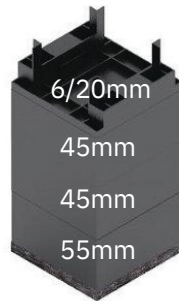
S4



S5



S6



S7



S8



S9



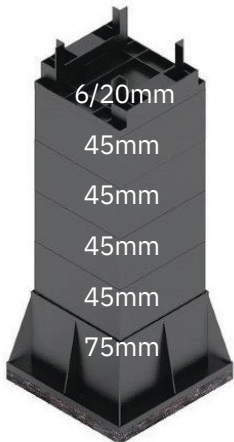
S10



S11



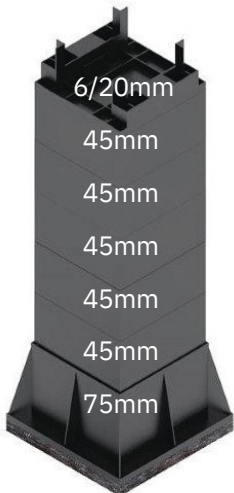
S12



S13



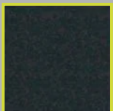
S14



S15



S16

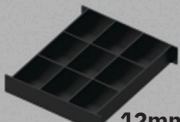


ACOUSTIC PAD

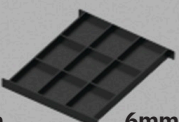


SPORTS PAD

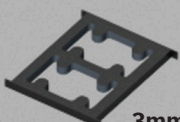
**DON'T FORGET YOUR PACKERS**



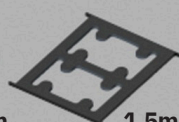
12mm



6mm



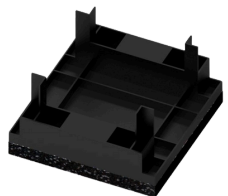
3mm



1.5mm

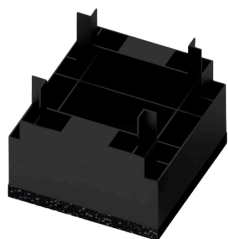
## IMPROVED TEST RESULTS

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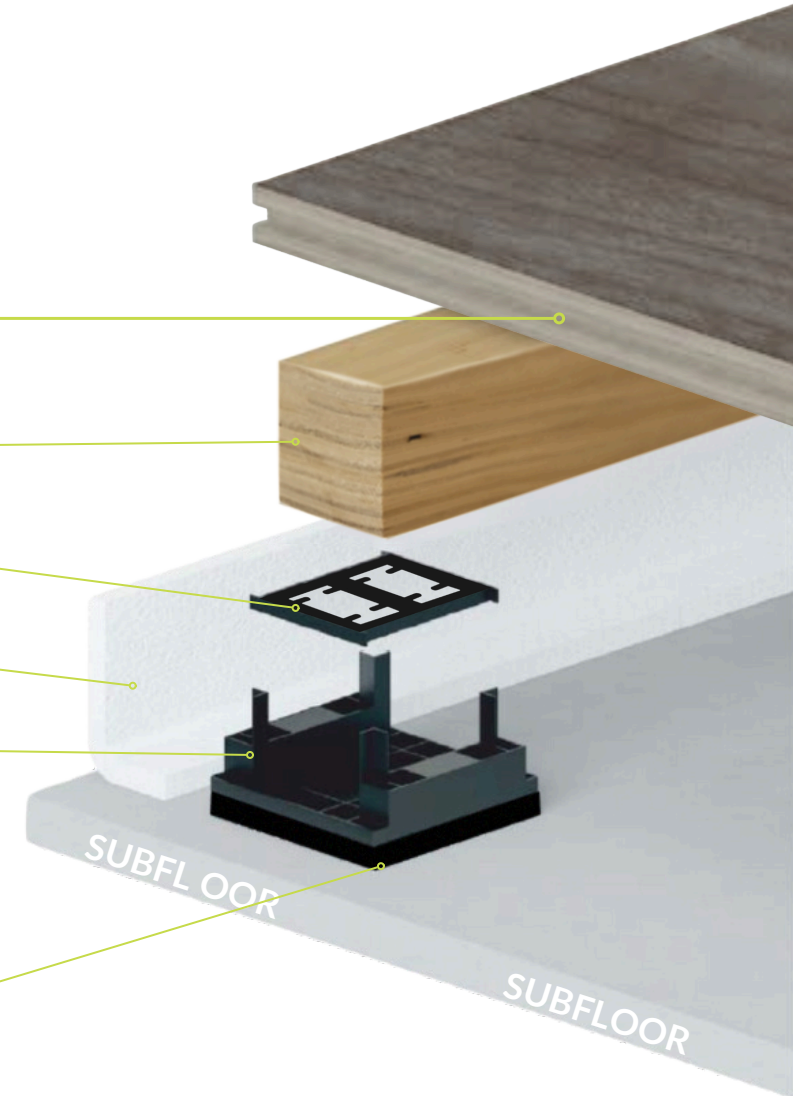
**T&G STRUCTURAL FLOORBOARD**  
Refer to manufacturer for compatibility

**NEW ERA LVL LAMINATED BATTEN**  
36mm or 48mm

**PACKER**

**PERIMETER FLANKING STRIP**  
10mm

**ACOUSTIC CRADLE**



-29 db





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floor levelling systems

 [newerafloorsystems.co.uk](http://newerafloorsystems.co.uk)



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