

PEDECK

LIBERTY PORCELAIN TILES

Liberty Tiles are the ideal product for the creation of raised floor platforms in the heavy load traffic areas and are suitable for both commercial and residential applications.



Fast & Easy
Installation



High Load
Bearing



Non Fixed &
Easily Accessible



Frost & Fire
Proof



Slip & Stain
Resistant

These innovative tiles are comprised of a 20mm single layer of load bearing porcelain stoneware, with excellent technical and aesthetic features. Recommended to be installed as part of the Strada PED System, they are long lasting and have structural inalterability in any climate conditions.

Liberty Tiles are lightweight, anti-slip, economical and aesthetically pleasing solution, requiring no sealing, they will not stain and will remain looking as good as the day they were installed.

Available in a range of simulated stone finishes, giving the aesthetics of natural stone minus the expense, maintenance and upkeep.

Compatible 8.5mm indoor options are also available upon request.
All Colours available in the sizes below: 600mm x 600mm x 20mm (Rectified)

White	Beige	Light Grey	Dark Grey
600mm x 600mm x 20mm	600mm x 600mm x 20mm	600mm x 600mm x 20mm	600mm x 600mm x 20mm
600mm x 900mm x 20mm	600mm x 900mm x 20mm	600mm x 900mm x 20mm	600mm x 900mm x 20mm
1200mm x 900mm x 20mm	1200mm x 900mm x 20mm	1200mm x 900mm x 20mm	1200mm x 900mm x 20mm

For more information please contact us.

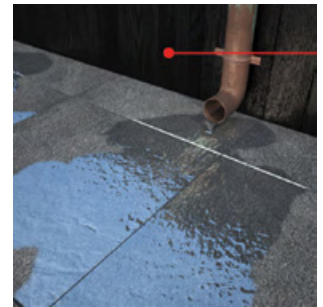
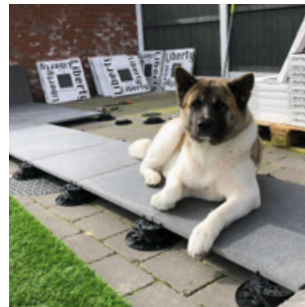
INSTALLATION

These images show standard installation of Liberty Porcelain Tiles. Long cuts are completed with a wet saw, smaller cuts around objects are cut with angle grinders with a diamond blade.



FACILITATES MAINTENANCE & DRAIN WATER

Facilitate the maintenance of wiring and piping systems.
For a proper water outflow we suggest to lay with a 1% minimum slope.



TECHNICAL DATA

Thickness	Chemical Resistance	Recommended Use	Bending Strength	Breakage Load	Mechanical Strength
20mm	GA UNI EN ISO 10545.13 5 UNI EN ISO 10545.14	No restriction on footwear	-50 N/mm ²	Class 1 8,28 kN EN 12825	U11 EN 1339

Frost Resistance	Water Absorption	Slipping Resistance	Dry	Wet
ISO 10545.12	-0,1% ISO 10545.3	DIN 51130 DIN 51097 ASTM C1028 BCRA	R12 - 0,91 0,81	- A+B+C 0,69 0,62

PEDECK

COMPOSITE DECKING BOARD

Pedec Decking is a wood polymer composite decking system that is made from recycled materials.

It is a sustainable, low maintenance alternative to timber and is used in a wide range of construction applications.



Sustainable & Recyclable



Fast & Easy Installation



Light Weight

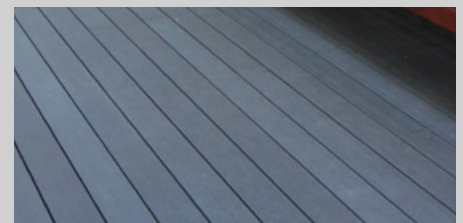
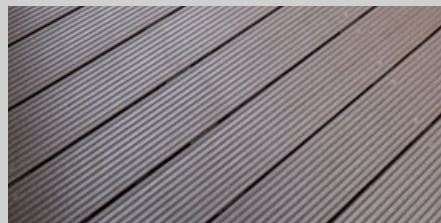
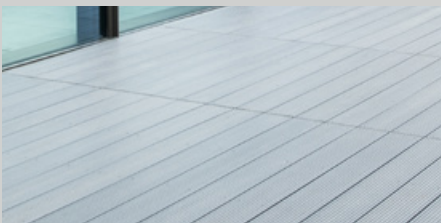


Easily Moveable & Adjustable



25 Year Guarantee

We take pride in the fact that we make some of the highest quality products in the industry while our production processes have a very low impact on the environment.



Rubbertech Deck is a robust system manufactured in the UK. It is a wood polymer composite (WPC), which means that it is made from a blend of sustainably sourced hardwood flour and HDPE polymer. The material composition is approximately 55% hardwood fibres (Beech) and 45% high-density polyethylene from recycled plastic milk bottles (HDPE).

Rubbertech Deck boards are solid in cross-section and do not have the weaker, open core structure associated with many poorer quality products. We are so sure of Ecodek's quality that we back it with a 25-year warranty against structural failure. The boards are also fully recyclable, and 100% of any material that is returned to us, or products that are rejected under our quality control system, are recycled back into production.

For more information please contact us.

INSTALLATION

SUBSTRUCTURE

Normally C16 or C24 grade 6" x 2" treated softwood.

MAXIMUM JOIST SPACING (CENTRE TO CENTRE)

Residential use: Must not exceed 455mm (330mm if at 45° angle).

AIRFLOW REQUIREMENTS

Always allow for adequate ventilation under the deck, use larger gaps and air vents if the deck is to be sunken or enclosed (contact us for more detail).

BOARD SPACING

Minimum 5mm (increase this to 10mm for hot, humid, damp or poorly ventilated areas).

BUTT JOINT GAPS

5mm in between boards and where a board meets a wall. If area is often hot, humid, damp or poorly ventilated, a 10mm gap to the wall must be left.

FIXING METHOD

Only use approved stainless steel composite deck screws. Screw holes must be countersunk with a Deck-Bit. Fit decking over at least 3 joists with 2 screws at every joist point and decking must be screwed down 20-40mm in from the cut end of the board.

DRILL & COUNTERSINK

We can supply a Deck-Bit that will pre-drill and countersink in one quick operation, designed specifically for composite decking.

FASCIA BOARDS

When attaching fascia boards to the side of a deck, it is important to make sure they are screwed down every 200mm (with 2 screws) along their length. Please allow the same spacing between fascia boards as for decking boards - both for board spacing and butt joint gaps.

USING HEAVY DUTY POSTS

If you intend to use the Heavy Duty Post at any length over 1.4m, then you must use a 2" scaffold pole down the centre to reinforce it (pole must come up to within 500mm of the top of the post).

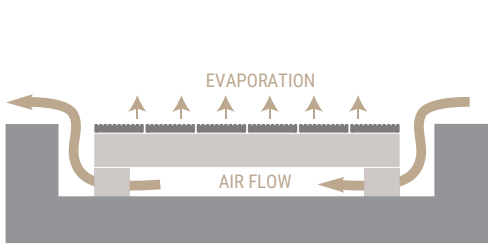
POST CAPS

These are designed to be a push fit but the legs can be trimmed to suit if necessary.

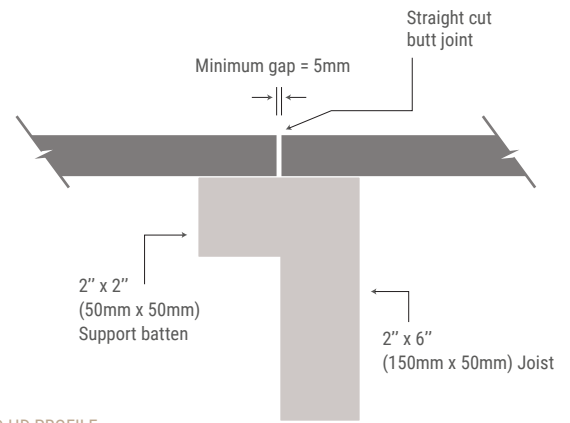
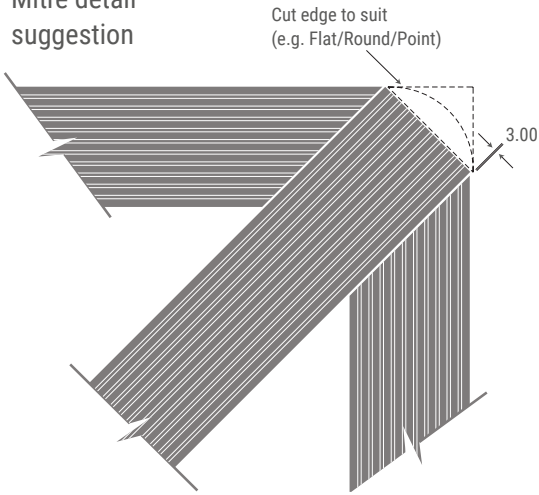
Board Type	Screw type for Wood Substructure	Screw type for Low Profile or Superstiff Bearers	Screw type for Steel Substructure
HD	63mm	53mm	38mm
Stadia	63mm	53mm	38mm
AT	53mm	53mm	38mm
Heritage	53mm	53mm	38mm

DO NOT

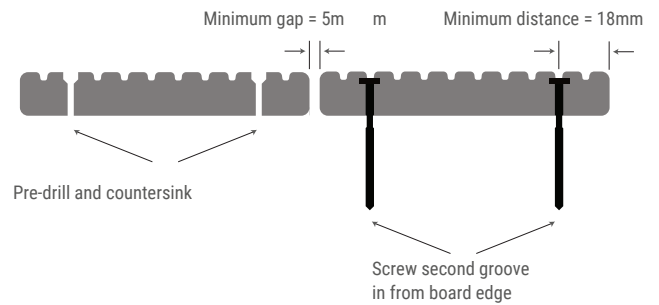
- Lay the boards directly onto a non self-draining surface without consulting with our technical department first.
- Use hidden fixings or clips.
- Butt boards up end to end closer than the specified amount.



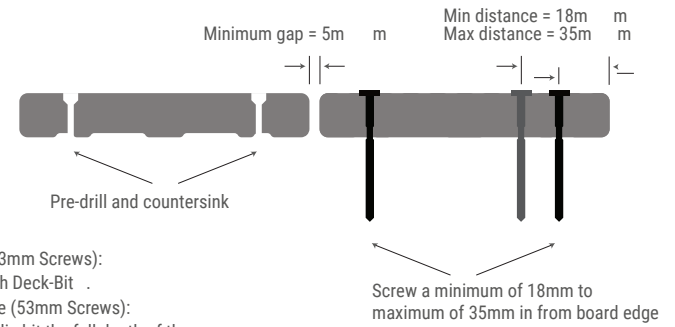
Mitre detail suggestion



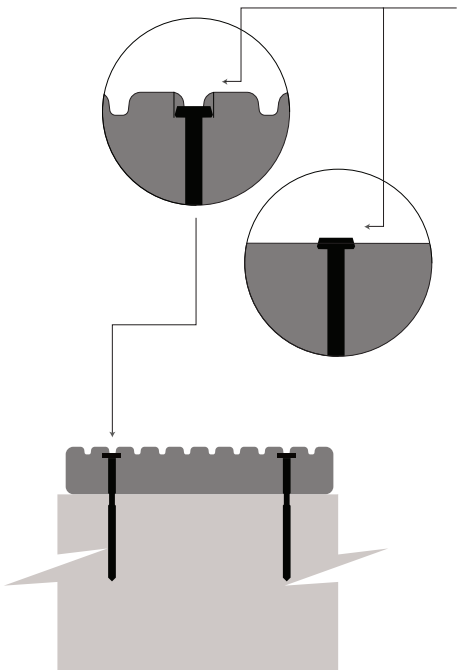
AT AND HD PROFILE



HERITAGE PROFILE



SCREW FITTING INSTRUCTION



Method of fitment:

- 1- Timber substructure (63mm Screws):
Pre-drill deck board with Deck-Bit .
Composite substructure (53mm Screws):
Pre-drill with a 3.5mm dia bit the full depth of the screw
Steel substructure (38mm Screws):
Pre-drill with a 3.5mm dia HSS bit,
AT & HD Profile: Pilot holes to be drilled second groove in from edges of board
Heritage Profile: Pilot holes to be drilled min 18mm to max 35mm from edge of board
- 2- Remove swarf residue (a 2-3mm slice of deck board snapped in half to give a rough edge makes a good swarf removal tool)
- 3- Preferably use an impact driver as this prevents over-screwing
- 4- Screw head will not go flush with the bottom of the groove but it must not protrude about the deck surface, see the picture for detail



AT 21MM GROOVED/RIBBED DECK BOARD
STRENGTH CHARACTERISTICS, AND SPAN TABLE CAN BE
FOUND ON OUR WEBSITE

SUPPORT SPACING IS BASED UPON SPECIFIED LOADINGS
FOR RESIDENTIAL DECKS, BALCONIES AND WALKWAYS
AS PER BS EN 1991-1-1:2002
'ACTIONS ON STRUCTURES - IMPOSED LOAD FOR BUILDINGS'