



COMPOSITE DECKING INSTALLATION GUIDE



COMPOSITE DECKING OVERVIEW

Available in 2 lengths all our composite decking boards are backed up with an extensive range of colour matching accessories to help you complete your project including -

Decking boards, decking fascias, decking bullnose, trims and fixings including clips and screws

WHAT IS IT MADE FROM?

BoniplasDecking products are made from an HDPE and wood composite. This user-friendly material will outperform other traditional pure wooden and plastic materials.

HOW LONG WILL IT LAST?

BoniplasDecking is both strong and durable, while maintaining the look and feel just like natural wood. Our special formula provides long lasting composite timber decking that is environmentally friendly, easy to install and requires minimal maintenance compared with traditional timber and comes with a 10 year limited warranty.

WHERE CAN IT BE USED?

BoniplasDecking was developed to meet the exceptional high standard required for outdoor living today. Our decking is ideal for a wide variety of uses including the construction of board walks, commercial and domestic decks, marinas and swimming pool surrounds.

IS IT EASY TO INSTALL?

Installation is simple using a handy metal or plastic clip systems that create a smooth even look to the deck. This system means that you do not have to use unsightly screws or nails and the spacer clips allow the appropriate space to allow for any expansion or contraction.

THE BENEFITS OF BONIPLAS® COMPOSITE DECKING



10 Year Guarantee



Waterproof



Easy to install



Eco-Friendly



Will not warp, rot or splinter



Durable and long lasting



Resistant to bugs and insects

DECKING INSTALLATION 3 KEY POINTS TO REMEMBER

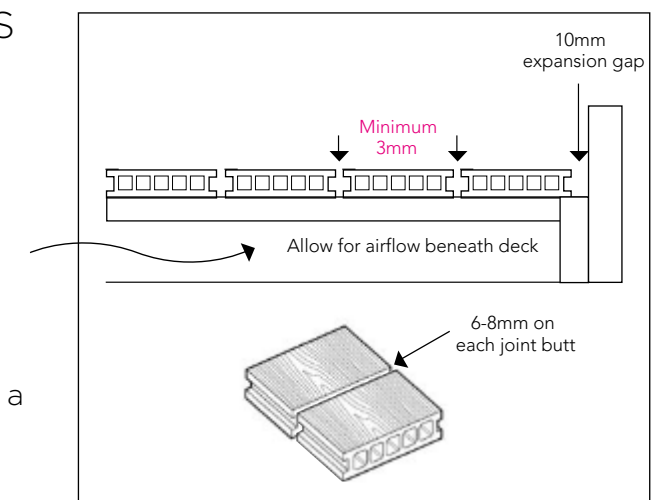
1. EXPANSION AND CONTRACTING

Due to varying temperatures and weather conditions across the UK, it is important to allow at least 48 hours for the composite decking boards to climatise in your location. Composite decking can expand and shrink from summer to winter as it cools and heats up, this is due to the thermal expansion and contraction and is perfectly normal with all composite products. To allow for movement throughout the year, the correct spacing must be provided and is aided by the fixings provided with our decking panels.

2. GOOD AIRFLOW / EXPANSION GAPS

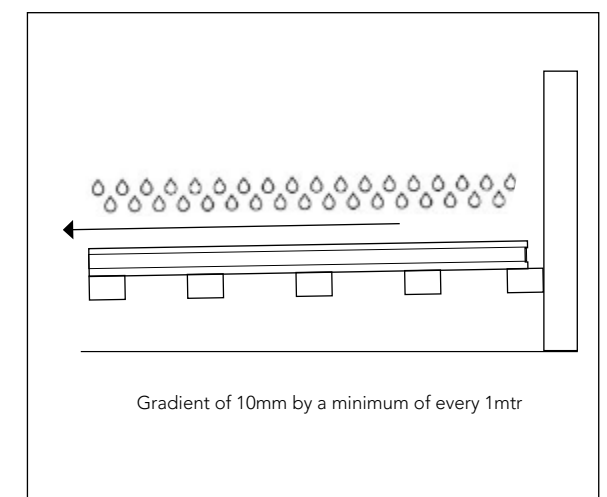
Don't forget the gaps:

- 20mm expansion gap should be left between the deck and any walls or fixed objects.
- Minimum 3mm gap between all deck boards.
- 6-8mm gap on any joint butt (8-10mm gap left if temperature is below 10 degrees when installing).
- 6mm gap left at the end of the boards or meeting a fascia or trim angle.



3. WATER DRAINAGE

Decking should have a suitable slope built in during construction. If you are installing a raised deck, a gradient of 10mm for every 1mtr is recommended. This will ensure water drains off the deck easily.



Boniplas hold no responsibility for installations that are not carried out to instructions provided or substandard craftsmen. Failure to install in accordance to these instructions will invalidate the Product Warranty.

EVERYTHING YOU NEED TO COMPLETE YOUR DECKING PROJECT

COMPOSITE DECKING BOARDS

3.6mtr x 140mm x 25mm / 2.9mtr x 140mm x 25mm



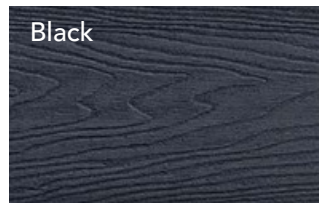
Anthracite Grey



Slate Grey



Brown



Black

Available in 4 finishes all of our composite decking boards are double-sided giving you the option to choose between wood grain or grooved decking or a mixture of both; simply turn the board to suit your style and design.

Wood Grain Side



Grooved Side

DECKING ACCESSORIES

BULLNOSE EDGE BOARDS

3.6mtr x 140mm x 25mm
2.9mtr x 140mm x 25mm



FASCIA BOARDS

2.9mtr x 140mm x 12mm



FINISHING TRIMS

2.9mtr x 53mm x 41mm



FIXINGS



Clip and Screw
3mm spacing
Stainless steel (Black)



Starter Clip and Screw
Stainless steel (Black)



Fixing screws
(Black)



Clip and Screw
5mm spacing
Plastic (Black)

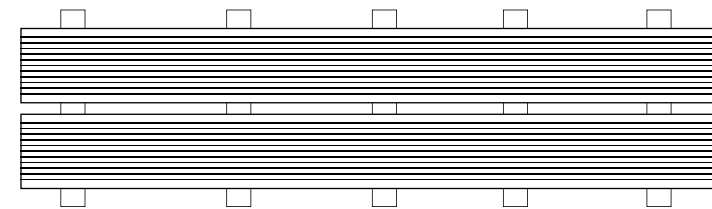
BEFORE YOU BEGIN

STORAGE PRIOR TO INSTALLATION

Composite materials are receptive to temperature. Allow a period of at least 48 hours prior to installation for your deck boards to acclimatise to the outside environment.

Deck boards once delivered need to be stored flat and level on battens to ensure that the boards avoid any sitting water.

When storing your boards outside be sure to cover them with a layer of sheeting.



Deck boards should be stored flat on battens equally spaced 400-500mm apart

Allow a period of at least 48 hours prior to installation for your deck boards to acclimatise to the outside environment.



TOOLS AND PPE / A CHECKLIST

The following items are recommended while installing our decking:



Safety Gloves



Safety Footwear



Safety Glasses



Ear protection



Dust Mask



Measuring Tape



Circular Saw



Jigsaw



Chop Saw



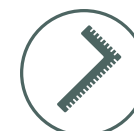
Sawhorse /Bench



Spirit Level



Drill



Combination Square



TIPS

SAWING

For circular and chop saws use a fine tooth tungsten carbide tip blade for better cutting result

DRILLING

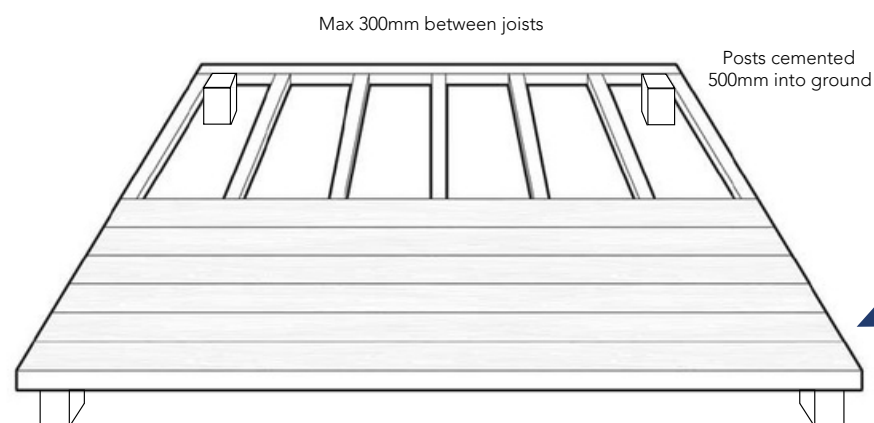
Use a 3mm drill bit for pre drilling the composite decking, fascia boards and trims.

DECKING INSTALLATION

Composite decking can be installed on a timber frame or composite frame.
If using timber joist for composite decking please ensure you use appropriate pressure treated timber.
When using composite joists for ground level we recommend 50mm x 50mm structure.
For raised decks, we recommend 4 x 2 timber or composite joists to ensure structure integrity.
(You should always check the structure strength with a professional to ensure it meets any required building regulation specification).

1. BUILDING A SOLID SUB FRAME

To ensure a solid frame for your decking, posts should be cemented 500mm into the ground.
Nogging and blocking to prevent rolling of outer joists and use joist hangers for added support.
Decking joists must be placed no more than 300mm to support the decking.
Commercial project joist centre must be 200mm.

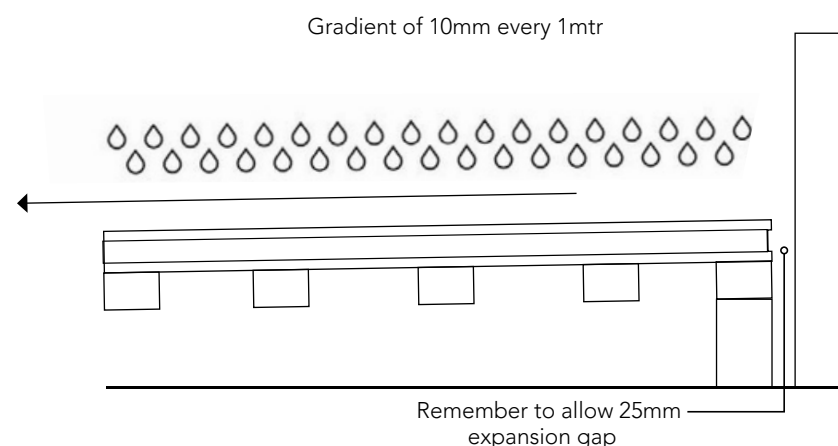


JOIST SPECIFICATION

Decking can be fixed to pressure treated softwood timber joists (Grade C16 - EN14081 or similar) depending on design requirements. Joists should be fixed into position at 300mm centres using suitable stainless steel countersunk wood screws.

2. ALLOWING FOR DRAINAGE

Ensure the Gradient runs away from any buildings or fixed objects.



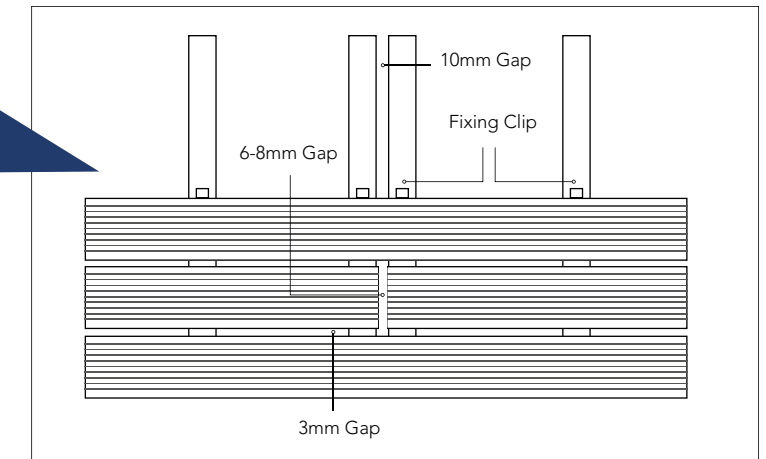
IMPORTANT

Allowing a slight slope on composite decking is crucial to prevent water from pooling, which can cause slippery surfaces, algae growth, and long-term staining.
A proper fall ensures efficient water runoff away from the home, protecting the subframe from rotting.

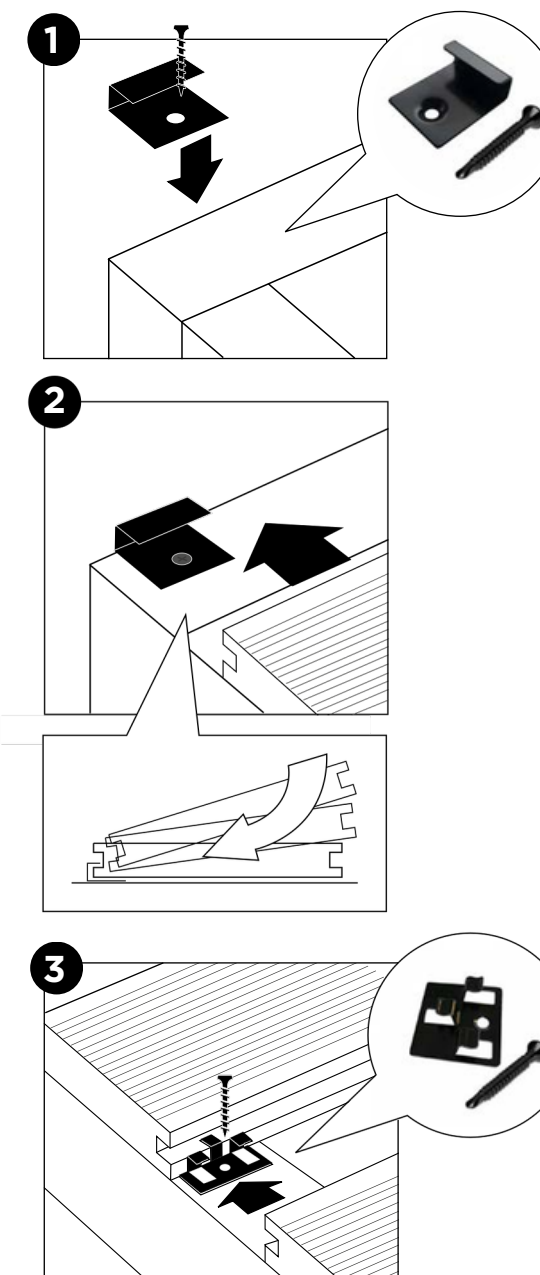
IMPORTANT

Double joists are required where you expect deck boards to meet at butt-joints.
Minimum of 3mm gap between board joints should also be left to allow for expansion.

A 6-8mm gap on any joint butt or a 8-10mm gap left if temperature is below 10 degrees.



3. LAYING YOUR DECK



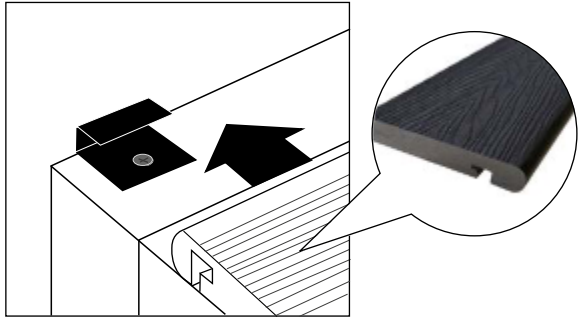
Once your sub frame is in place and your joists are laid at every 300mm centres, you are set to begin installing your deck boards.

1. Starting at the outside edge of the decking project, begin attaching Starter Clips (1) to the edge of your framework using the steel screws provided.
2. Once all the starter clips are in place simply present your first board at a slight angle and push into place.
3. Once your first row of deck boards are in place, use our decking clips to fix all subsequent boards to the sub frame.
Secure the clip into place by screwing through the counter-sunk hole into the joist below.
As you insert your deck boards into each clip, ensure each boards edge is firmly in place.
Continue this process until all rows are in place.

When the last board is in place secure all other boards by screwing the groove of the last board at a 45 degree angle, securing it to the joist at 300mm intervals.

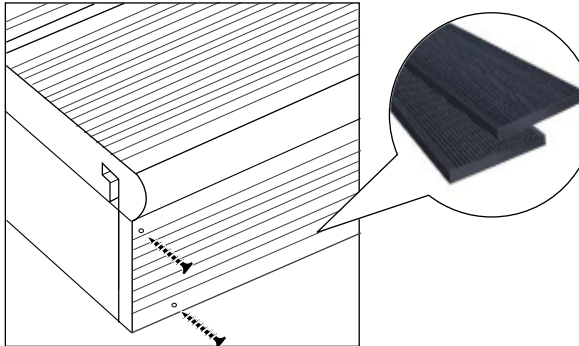
To avoid the material splitting, we recommend pre-drilling pilot holes in the deck boards 2-4mm wider than the width of the screw shank.

4. INSTALLING STARTER DECK BOARDS



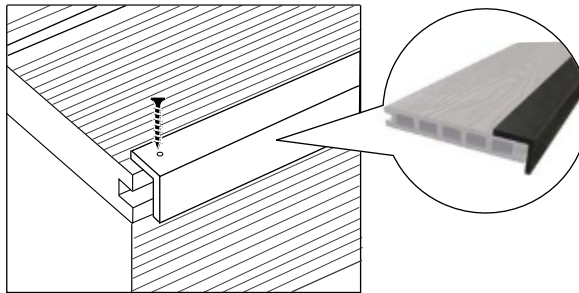
Bull nose decking boards can be used to complete the front edge of your decking or steps. If you are using bull nose decking for your front edge simply place the starter clips as normal and follow the guide opposite.

5. INSTALLING FASCIA BOARDS



Your decking can be finished with fascia boards. Screw directly into joists or deck boards. Drill a 3mm pilot hole to avoid splitting the board. If you are joining one board to another leave a minimum gap of 2mm to allow for expansion. Repeat the process every 300mm along the board.

6. INSTALLING FINISHING TRIMS



Edges of the decking boards and fascia trims can be finished with finishing trims, these can be screwed directly into the deck boards. When joining one trim to another, a minimum gap of 2mm should be left between trim ends to allow for expansion.

SIT BACK AND ENJOY

With a 10 year Warranty you can sit back and enjoy your decking for many years to come.

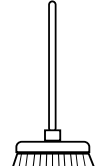
CARING FOR YOUR DECK / CLEANING & MAINTENANCE



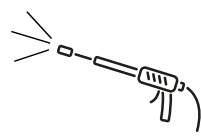
Bucket of warm water



Liquid Soap



Nylon Brush



Pressure Washer*

1. Sweep the floor with the brush to remove any loose debris. Before you apply water, make sure all loose dirt and leaves are removed.
2. Once the surface is swept, rinse the floor with warm water.
3. Prepare a solution of warm water and liquid soap
4. Dunk the brush head into the bucket and start cleaning your deck. Scrub the whole floor with the soap/water solution, using good pressure to get into the grooves and clear away difficult dirt and grime. Work the brush in the direction of the grain and NOT across it.
5. When finished scrubbing the composite decking, rinse away the remainder of the soap and any leftover dirt.
6. Alternatively you can also use a pressure washer* but ensure to maintain a safe distance to avoid damaging the deck.

* Avoid getting too close to the deck when using a pressure washer - this could damage the deck surface

TECHNICAL DATA

Decorative Composite Decking Panels for exterior use and outdoor applications.
Composition includes High Density Polyethylene and wood powder

THICKNESS	25mm	WEIGHT	2.9mtr - kg/pc 3.6mtr - kg/pc
WEAR LAYER	N/A	RESISTANCE TO IMPACT	Max Crack length(mm): No crack. Max Residual Indentation(mm): 0.43
LENGTH & WIDTH	140mm x 2900mm or 3600mm	RESIDUAL INDENTATION	83Mpa, Rate of elastic recovery: 73%
DIMENSIONAL STABILITY	Length: 0-2mm Width: ±1mm	ABRASION RESISTANCE	109mg(1000cycles)
FINISH	Wood Grain Effect	RESISTANCE TO HEAT	No deformation at high temperature
SMOKE DENSITY	S1	RESISTANCE TO ARTIFICIAL WEATHERING	After 2000h exposure ΔE*=3.42, Grey Scale=3
SURFACE TREATMENT	Sanding	WARRANTY	10 Years
FIRE RATING	Class C	VOC EMISSIONS	None
CHEMICAL RESISTANCE	Corrosion resistant, acid and alkali resistant	SLIP RESISTANCE (PENDULUM TEST)	Longitudinal:86 Horizontal: 92

DISCLAIMERS / CHARCOAL BARBECUES / GRILLS

Although using charcoal is safe inside your barbecue / grill, gusts of wind could blow flaming charcoal onto your composite decking, which could cause serious damage if left to smoulder. We recommend placing a suitable heat proof mat to cover your composite decking while using a charcoal barbecue / grill.

WARRANTY

This product has a 10 year warranty from the date of original purchase.
If any defects or issues arises please contact your place of purchase

PLAN YOUR DECK



