

habitat



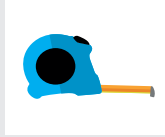
urban



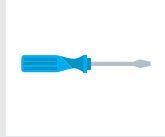
Tools required



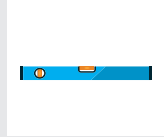
Hand Drill



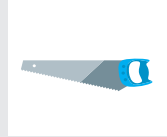
Tape Measure



Screwdriver



Spirit Level



Hand Saw



Chop Saw



Pencil



Safety Gloves

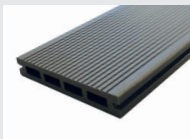


Safety Goggles

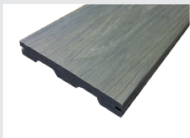
Don't forget
your drills and
driver bits

Components available

Habitat and Urban deck boards



Habitat deck board



Urban capped deck board

Fixings for Habitat and Urban decking



Starter clips
packs of 25



Hidden fixing Clips
Packs of 100



S.S. screws & narrow
driver bit

Trims for Habitat decking

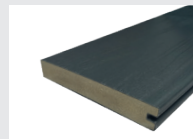


L shaped trim
45mm x 45mm

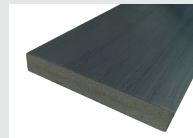


Skirting trim
10mm x 70mm

Trims & Fixings for Urban decking



Edge deck board
22mm x 138mm



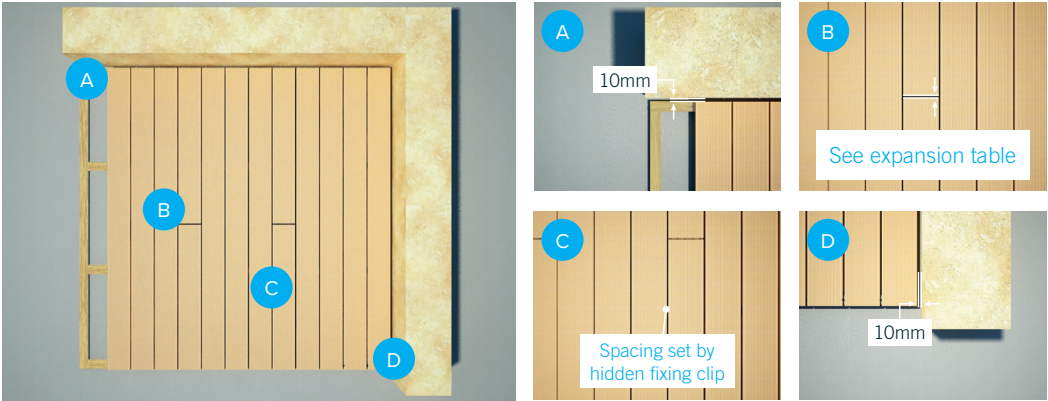
Skirting trim
15mm x 100mm



Colour coded trim fixings
packs of 25

Hidden fixings, starter clips and colour coded screws are available in individual packs.

Expansion - Spacing rules for Habitat and Urban decking



All decking materials exhibit expansion and contraction over a range of temperatures. The table below gives recommended spacing between board ends based on board length and anticipated working temperature range at time of installation.

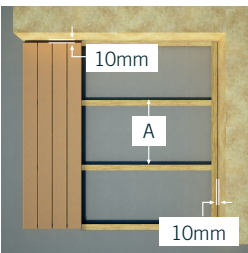


Expansion table

		Air temperature at time of fitting					
		5°	10°	15°	20°	25°	30°
Recommended minimum gap in mm between board ends for varying board lengths	1m Board	5	2	2	2	2	2
	2.4m Board	5	4	4	4	4	4
	3m Board	5	5	5	4	4	4
	3.6m Board	7	7	5	5	4	4

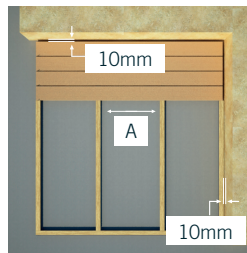
1. Preparation of installation

Laying the decking perpendicular to the wall



Choose the decking design required, whether it is vertical, horizontal or the herringbone/chevron design.

A minimum of 50mm free air space must be available between the bottom of the deck boards and the ground surface.

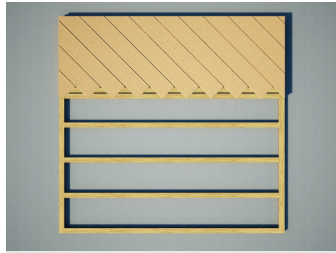


A: 300mm max for Habitat hollow boards
400mm max for Urban Residential project
300mm max for Urban Commercial project

Decide which orientation the decking will lay

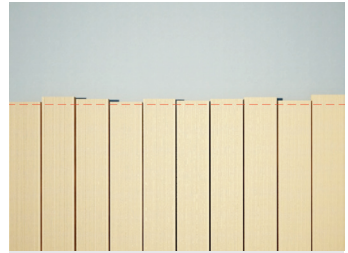


Each board should be supported by 3 joists. Ensure a slight fall of 2° to aid water run off.



For elevated decks please ensure compliance with Building Regulations regarding structural calculations.

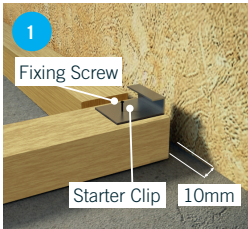
Condition boards prior to use



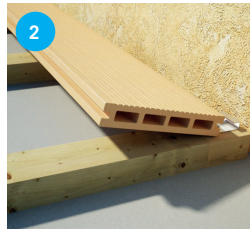
Prior to installation the deck boards, edge boards and edge skirts must be conditioned. Remove from their packaging and lay side by side 24hrs prior to fitting. Then trim to ensure they are all the same length.

Material Storage and Conditioning. Habitat and Urban deck boards should always be stored flat. Prior to fitting, condition all deck boards by laying them side by side on the substructure for 24hrs. Then trim all boards at both ends to ensure all are the same length and cut square. Only install decking in temperatures above 0°C.

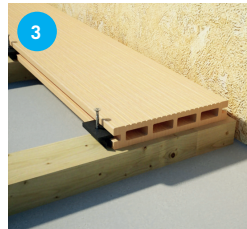
Installation of your Habitat hollow deck



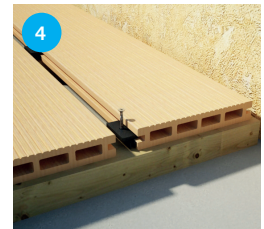
Fix starter clip onto decking joist with screw, allowing first deck board to be installed.



Tilt first deck board so that the leg of the deck locates underneath the lip of the perimeter starter clip.



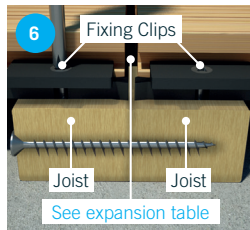
On every joist, position a hidden fixing clip into the groove of the first board and screw into position but do not tighten.



Slide the next deck board into position, locating the hidden fixing clip into its groove. This will set the gap between each deck board. Tighten the hidden fixing clip - but do not over tighten, use a low speed high torque setting on your electric screwdriver.



Duplicate Step 4 for every additional deck board.



DO NOT over tighten the hidden fixing clip.



Where board ends meet allow an expansion gap (see expansion table) fit a second supporting noggin and fit a hidden fixing clip at the end of each board.



When fitting two boards at 90° ensure a minimum expansion gap of 5mm where the boards meet. Ensure hidden fixing clips are used at both board ends.

Completing your Habitat hollow deck



The starter clip can also be used as a finishing clip. Install the starter clip to the end of the last joist, slide the deck board between the last clip and the finishing clip.

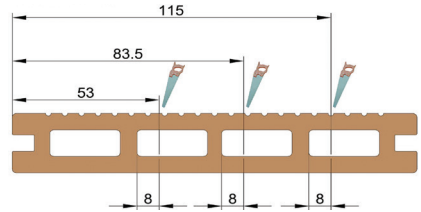


Ensure that the deck board is cut square in both the vertical and horizontal plane to enable the boards to locate accurately and create a neat joint.

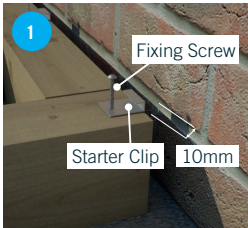


L Angle trim is fixed using a single screw every 300mm. Ensure deck board ends are cut back 10mm from joist edge to allow expansion under the L Angle. Pilot drill holes before screwing into joist.

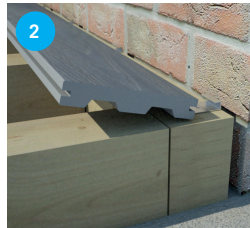
When finishing a deck, an "odd sized" deck board may be required, cut the deck board to fit. You must allow the 8mm overhang in order to locate fully within the starter clip.



Installation of your Urban solid deck



Fix starter clip onto decking joist with screw, allowing first deck board to be installed.



Tilt first deck board so that the leg of the deck locates underneath the lip of the perimeter starter clip.



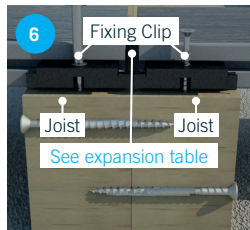
On every joist, position a hidden fixing clip into the groove of the first board and screw into position but do not tighten.



Slide the next deck board into position, locating the hidden fixing clip into its groove. This will set the gap between each deck board. Tighten the hidden fixing clip - but do not over tighten, use a low speed high torque setting on your electric screwdriver.



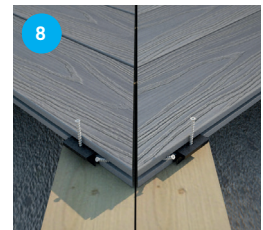
Duplicate Step 4 for every additional deck board.



DO NOT over tighten the hidden fixing clip.



Where board ends meet allow an expansion gap (see expansion table) fit a second supporting noggin and fit a hidden fixing clip at the end of each board.



When fitting two boards at 90° ensure a minimum expansion gap of 5mm where the boards meet. Ensure hidden fixing clips are used at both board ends.

Completing your Urban solid deck



1

Always use the recommended hidden fixing clips. At the end of the run, an Urban edge board can be used. Fix using a hidden fixing clip and don't over tighten then face fix this board only, using the colour matched screws.



2

When using the colour matched screws, pre-drill pilot holes first, using a 2mm drill. Ensure pilot holes are no less than 25mm from each edge. Edge boards should overhang the joist by 15mm to cloak the Urban skirting if being used.



3

Ensure the colour matched screws are screwed into the pilot holes at 90° with two screws at every joist. Once screwed in place, the head should be flush with the deck surface.



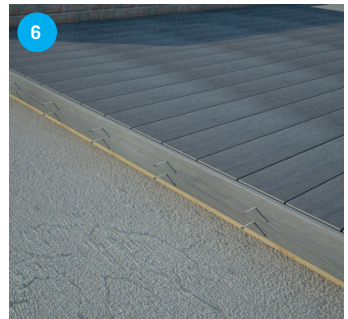
4

Ensure the Urban deck boards are cut square (see note on conditioning). All board ends should be cut 10mm back from the joist edge when using an Urban skirt trim.



5

When fitting an Urban skirt trim colour matched screws must be used.



6

Use two colour matched screws at every joist.



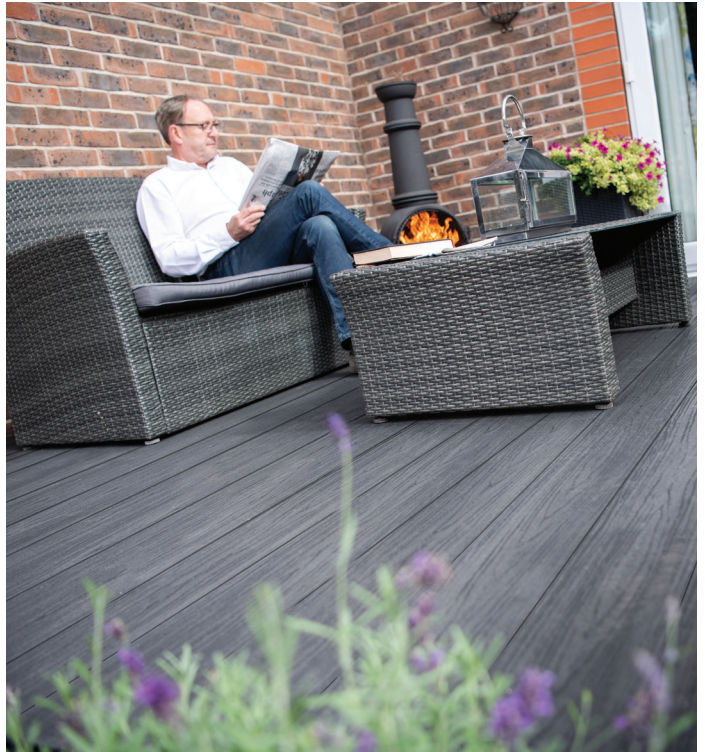
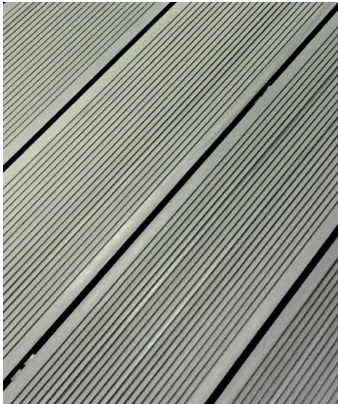
7

When using an Urban skirt trim across deck board ends, ensure the square edge is in line with the top surface of the Urban deck boards, check there is a 10mm gap between board ends and the vertical edge board.



8

Fix Urban skirt trim underneath the Urban edge board at the joist ends. Leave a 50mm gap between ground and the Urban skirt trim to aid airflow. Use two colour matched screws at every joist.



Installation guidelines

Thank you for purchasing Wood Composite Decking by BSW. Your new deck will give you years of service requiring very little maintenance provided that the following key instructions are followed.

Failure to work to this guidance WILL invalidate the product performance warranty.

- Composite decking is not the same as timber decking and must be treated differently.
- Prior to installation all deck boards must be conditioned. The recommended time-period for conditioning is 24 hours. Remember that deck boards should be unpacked and laid out side by side on the substructure to condition properly.
- Use only the recommended fixings required (starter clips, hidden fixings, screws).
- Do not over tighten the hidden fixing screws.
- Where deck boards butt up together at the ends, individual hidden fixings must be used for each board (one clip across 2 board ends is not correct).
- The correct maximum span, or less must always be used.
- Decked surface must have a minim 2° slope for surface water drainage.
- A minimum of 50mm free air space must be available between the bottom of the deck boards and the ground surface.
- Where the deck is installed in a closed area, ventilation to support the required free air flow must be introduced.

For full installation instructions please refer to our web site:



Tel: 0800 587 8887

sales@bsw.co.uk

www.bsw.co.uk



Take care when opening as fitting instructions are on the reverse of this card.



Composite decking is NOT the same as timber decking. To ensure a trouble-free installation please thoroughly read the enclosed installation instructions.

Hidden Deck Fasteners

Suitable for use on hollow
and solid decking projects

100 clips per pack includes screws
& driver bit

Wood Composite
Decking

By  **BSW Timber**