



Wood Composite Decking

BSW Timber's unique range of wood composite decking provides an eco-friendly, easy to install, low maintenance and long lasting solution for your outdoor space.

By  **BSW Timber**

**MADE IN
BRITAIN** 



Habitat+ installation guidelines

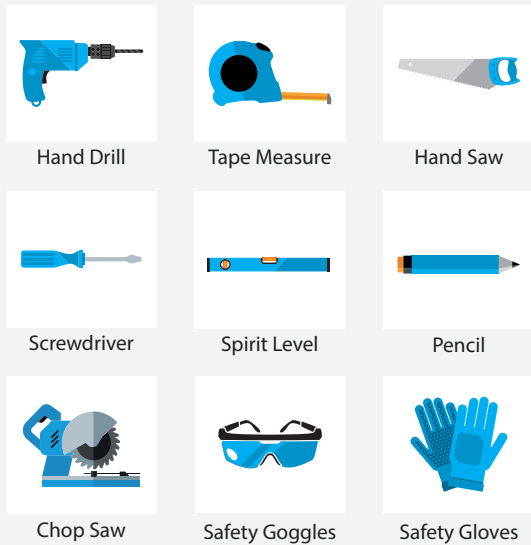
Your new deck will give you years of service requiring very little maintenance provided that the following key instructions are followed.

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).
- Always leave an expansion gap at board ends. Refer to the expansion table included within the hidden deck fastener instructions.
- The correct maximum span, or less must always be used.
- Decked surface must have a minimum 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 website: www.bsw.co.uk/wpc

Tools required



Hand Drill

Tape Measure

Hand Saw

Screwdriver

Spirit Level

Pencil

Chop Saw

Safety Goggles

Safety Gloves

Don't forget your drills and driver bits

Components available



Habitat+ deck board



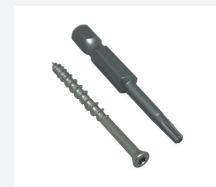
Skirting trim
15mm x 100mm



Starter Clips
Packs of 25



Hidden fixing Clips
Packs of 100



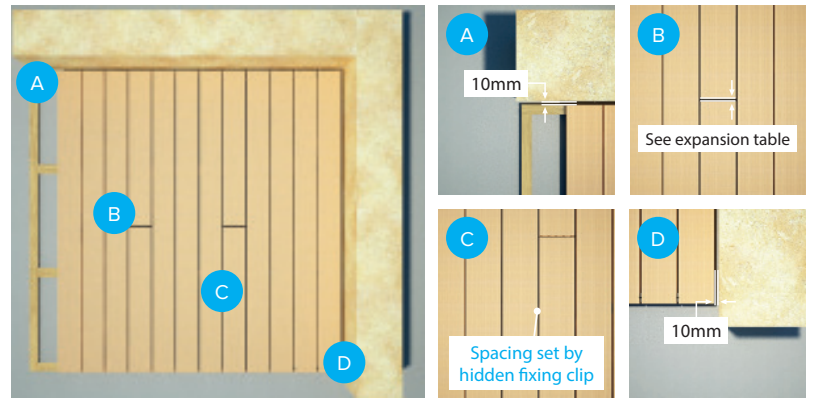
S.S. screws & narrow
driver bit



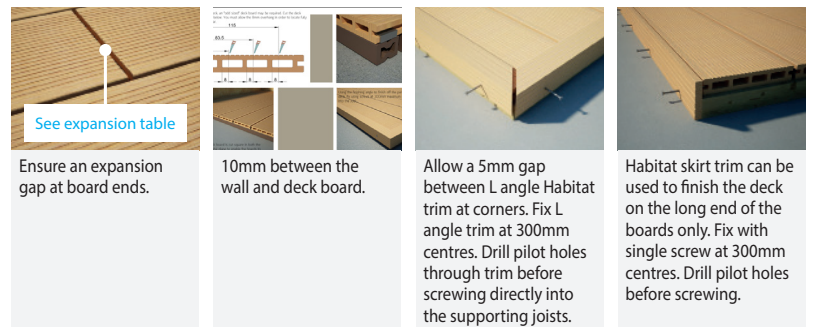
Colour coded trim
fixings packs of 25

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

Expansion - spacing rules for Habitat+



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.



See expansion table

Ensure an expansion gap at board ends.

10mm between the wall and deck board.

Allow a 5mm gap between L angle Habitat trim at corners. Fix L angle trim at 300mm centres. Drill pilot holes through trim before screwing directly into the supporting joists.

Habitat skirt trim can be used to finish the deck on the long end of the boards only. Fix with single screw at 300mm centres. Drill pilot holes before screwing.

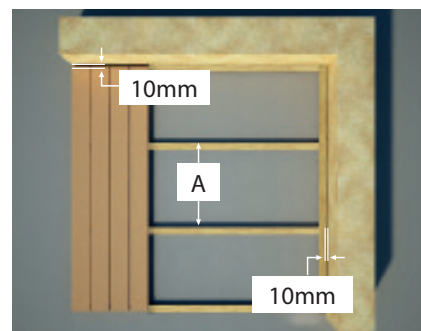
Expansion table

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

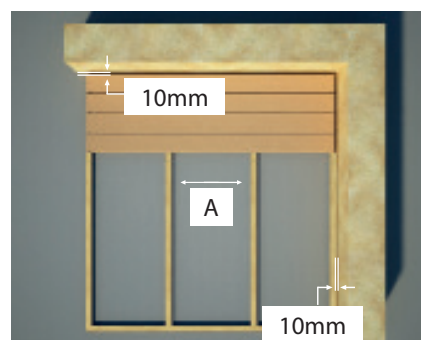
1. Preparation of installation

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: 400mm max for Habitat+ hollow capped boards

Decide which orientation the decking will lay

Condition boards prior to use



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



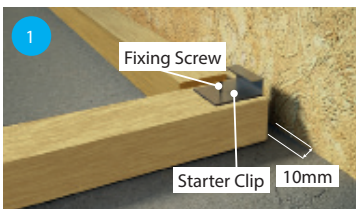
For elevated decks please ensure compliance with Building Regulations regarding structural calculations.



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.



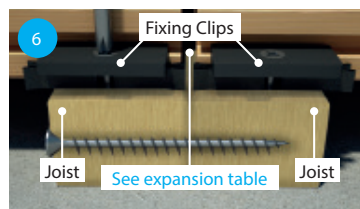
On every joist, position a hidden fixing clip into the groove of the first board and screw into position but do not tighten.



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



Two pilot holes should be drilled at every joist, leaving a gap of at least 50mm from both the beginning and the end of the trim.



Fix the Habitat+ skirt trim the over Habitat+ deck board edges at the joist ends. Leave a 50mm gap between ground and the trim to aid airflow.



Use a colour-matching screw for each of the pre-drilled holes.

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.

