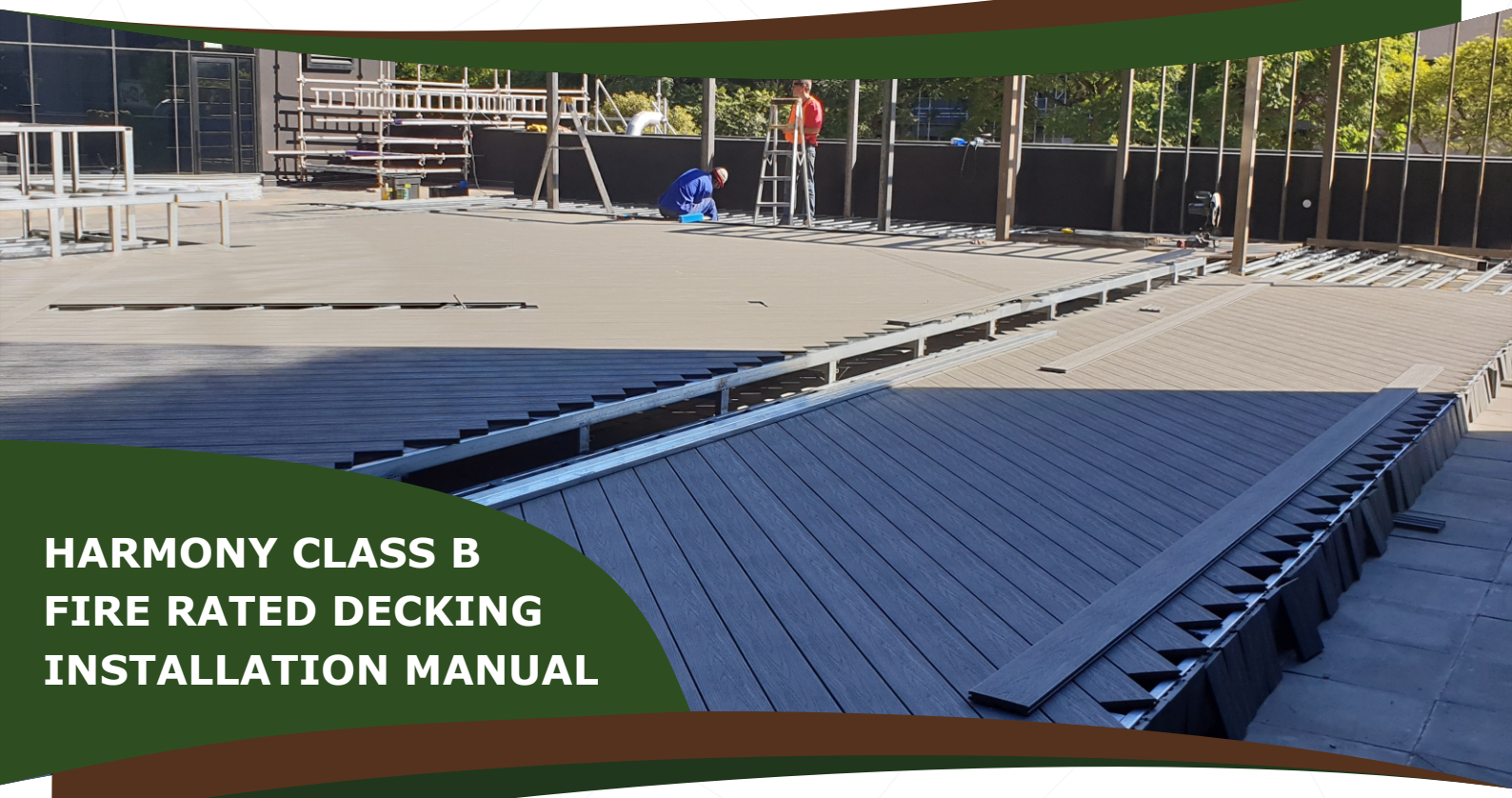
TECKWOOD
YOUR COMPOSITE SOLUTIONS PROVIDER

FSC
www.fsc.org



HARMONY CLASS B FIRE RATED DECKING INSTALLATION MANUAL

CARE AND MAINTENANCE

Congratulations on the purchase of your Teckwood Harmony Co Extruded Class B Fire Rated dual sided composite decking board. To ensure that you keep your low maintenance eco friendly decking looking at its best we recommend that you follow a few easy guidelines.

For periodic cleaning use a soft bristle brush and a dilution of mild soap and warm water. For those using a power washer we recommend that you stand at least one metre way from the area you are to clean. Spray in the direction of the grain to avoid damaging the decking. Always follow the safety precautions when operating a power washer. Ensure that the water effectively drains from your capped wood plastic composite decking.

Teckwood's fire rated decking meets the requirements of European Standard EN 13501-1, to Euroclass B. It is also a better sustainable choice for the environment and may be a contributing factor in stopping small isolated fires from being a destructive force on domestic and commercial properties.

Always check with your local building code authority to confirm the decking fire requirements in your location, and even if the building codes do not require it, you might want the peace of mind that comes with knowing your home is that much more protected if the unthinkable happens.

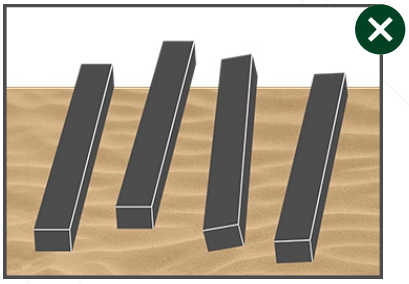
These guidelines may not cover every maintenance scenario. If you have any additional questions please contact our friendly service team on 0800 799 9082.

Derrinabrin Farm, Norwood Hill Road, Charlwood, Surrey, RH6 0EB, UK
0800 799 9082 • info@teckwood.co.uk • www.teckwood.co.uk

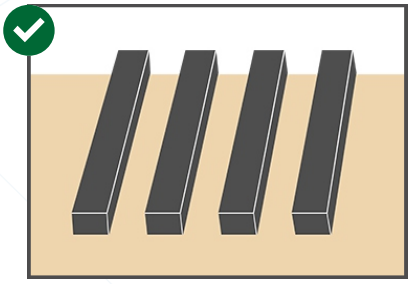
TECKWOOD
YOUR COMPOSITE SOLUTIONS PROVIDER

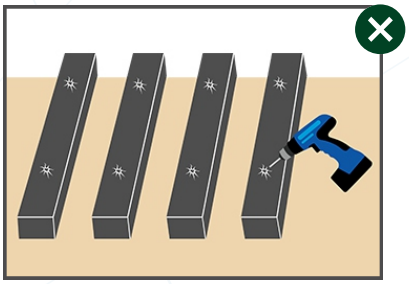
INITIAL HINTS AND TIPS FOR INSTALLING HARMONY CLASS B FIRE RATED CO EXTRUDED COMPOSITE DECKING.

NOTE: WHEN SCREWING THROUGH COMPOSITE PRODUCTS ALWAYS PRE DRILL ANY HOLES

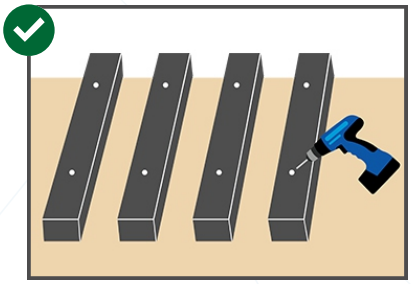


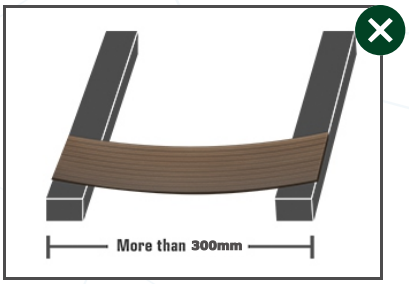
Joists must be laid on a solid flat surface such as concrete. Grass, uneven paving slabs or sand will cause movement.



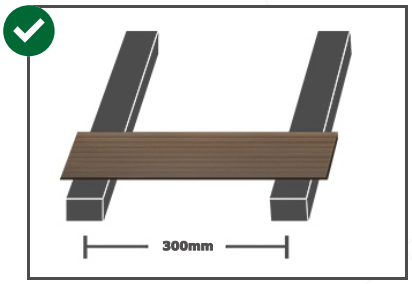


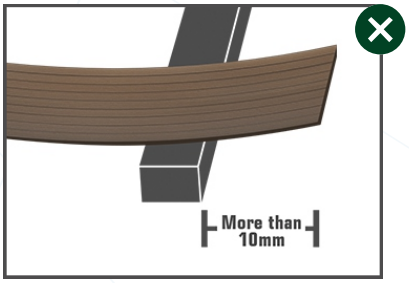
Always pre drill composite wood products using a minimum of a 4.5mm drill bit. If you do not you risk damaging the product over time.



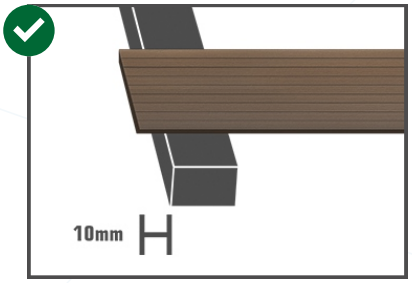


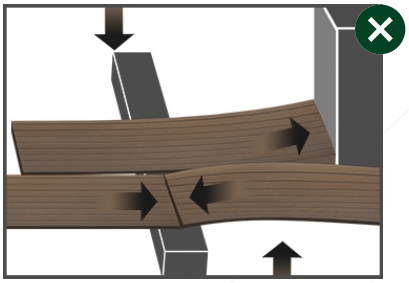
Joists must be set to 300mm centres. If not boards may warp or move. Composite boards need to be supported across their length.



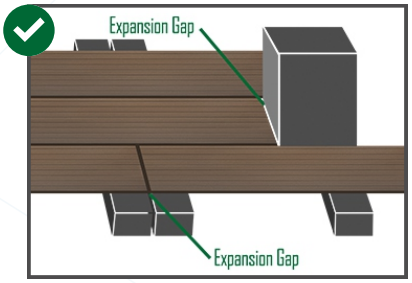


Ends of deck boards must be supported and not have an overhang of more than 10mm. If not boards will move or be damaged.





Butted boards must have an expansion gap of 5mm between boards & be supported by separate joists. At edges a gap must be left for expansion. If not boards may warp or crack under pressure.



All decking must be laid with a fall. We recommend that you lay your decking with a fall of 1 in 100.

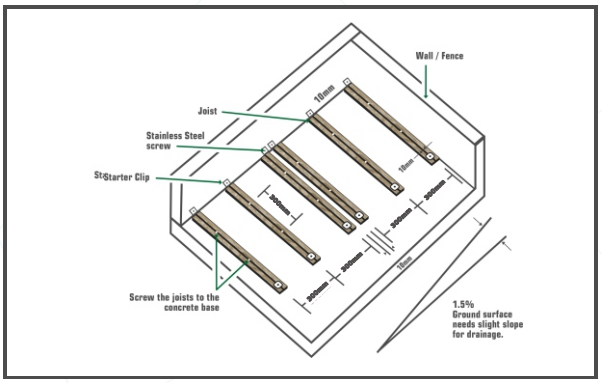
Derrinabrin Farm, Norwood Hill Road, Charlwood, Surrey, RH6 0EB, UK
0800 799 9082 • info@teckwood.co.uk • www.teckwood.co.uk

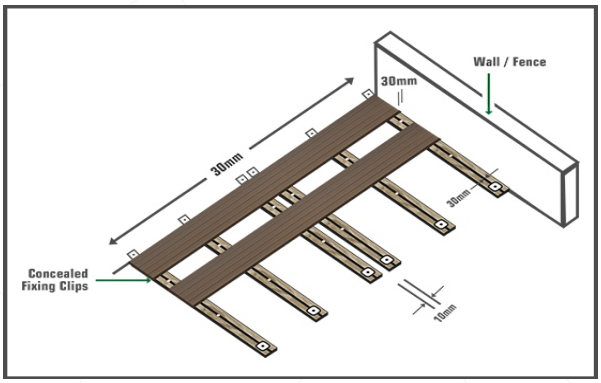
TECKWOOD
YOUR COMPOSITE SOLUTIONS PROVIDER

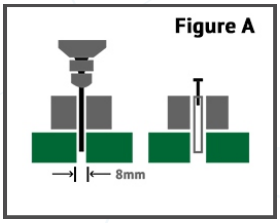
INITIAL HINTS AND TIPS FOR INSTALLING HARMONY CLASS B FIRE RATED CO EXTRUDED COMPOSITE DECKING.

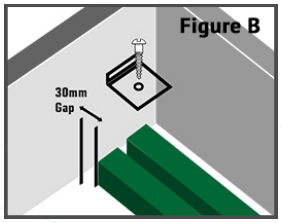
IMPORTANT NOTE:

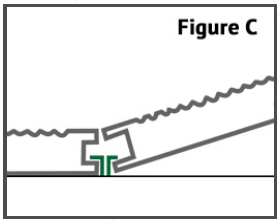
When designing your decking please take note of the joist spacing to your supporting frame. Co extruded composite wood behaves differently to traditional timber, the spacing between joists may be different from what you are used too.

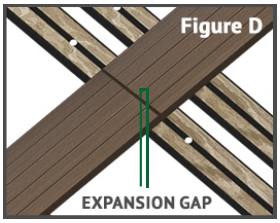












1. Lay your Joists 300mm centre to centre, running the opposite way to the direction of the Deck Boards. Make sure to leave a 20mm gap between your walls / fence to allow for expansion.

2. Pre-drill and screw the Joists to your concrete base. (If using Composite Joists pre-drill & over-drill holes to allow for expansion. Use of expansion screws are recommended). See Figure A.

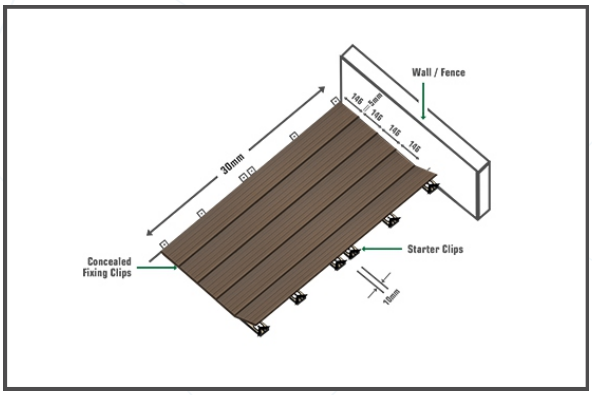
3. Fix Starter Clips along the edge of each Joists at the end you wish to start laying boards from. Pre-drill the screw holes & screw in place. See Figure B.

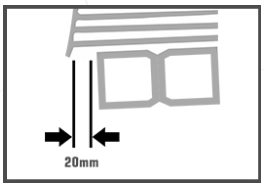
4. Push your first board into place, clipping into the Starter Clips.

5. Clip Concealed Fixing Clips into the first board along each of the Joists. Pre-drill and screw in place. See Figure C. Space between boards should be 5mm.

6. If joining 2 lengths of board together, make sure both ends are supported by separate Joists. Leave a gap calculated on the expansion rate of 0.3% - 0.5% of the board length to allow for expansion. See Figure D.

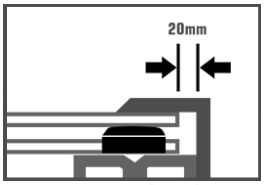
7. Push the next board in place. Repeat until your deck is the required length.





Overhang

Overhang of boards from joist should not exceed 20mm.

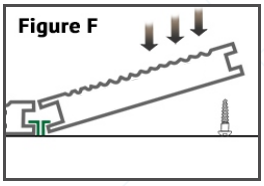


Finishing L Trim For

Non Step / Non Walking Edge

Lay your final joist with a 20mm over hang to allow for expansion. Screw the 90° angle directly into the joist.

If for a walkway or doorway, use an aluminium L shaped cover from your local DIY store to hide the gap.



8. Measure out the width of the last board and mark Joists ready for Starter Clips to finish the deck.Pre-drill the holes and screw Starter Clips in place.
9. Clip your last board into the previous board and push down into place using a rubber mallet if required. See Figure F.

Derrinabrin Farm, Norwood Hill Road, Charlwood, Surrey, RH6 0EB, UK
0800 799 9082 • info@teckwood.co.uk • www.teckwood.co.uk

TECKWOOD
YOUR COMPOSITE SOLUTIONS PROVIDER

INITIAL HINTS AND TIPS FOR INSTALLING HARMONY CLASS B FIRE RATED CO EXTRUDED COMPOSITE DECKING.

LAYING A FRAMED DECK & STEPS

LAYING THE JOIST

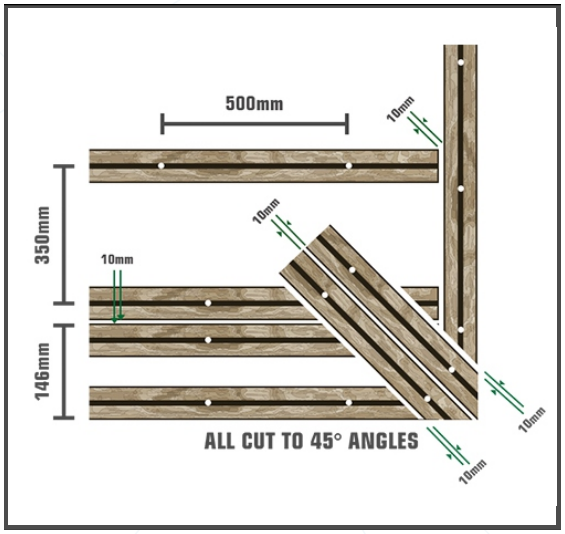
1. Lay and secure your joists at the usual 300mm centres along the opposite way to the main deck board body.

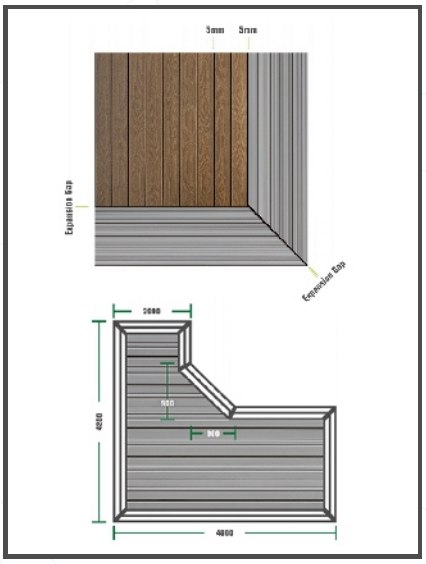
2. At the corner, lay 2 shortened joists with a 10mm gap cut to a 45° angle. (See 2 on diagram)

3. Lay another joist 146mm alongside the lower most joist. This will support the framing board. (See 3 on diagram)

4. Lay another joist 10mm away from the last. This will support the edge of the main deck body. (See 4 on-diagram)

5. Repeat on the remainder of the corners applicable.





LAYING THE DECK BOARDS

1. Cut your Solid profile framing boards to 45°. Teckwood Decking Boards are reversible and contain Anti slip properties on both sides, they can be installed with the ridge side facing or the 3D deep embossed wood grain side.
2. Secure Starter/Finisher Clips at 350mm intervals along the lengths of the outside edge of the subframe.
3. Clip in your cut boards into the Starter Clips to make the frame.
4. Secure Starter/Finisher Clips to the two sides where the main body will have short sides against the frame.
5. Lay the main body of the deck as you would do usually.

COLOUR EXPECTANCY

Due to sun bleach, Teckwood composite products are subject to fade, as our composite wood is manmade and a recycled product, thus color variations are expected. Our warranty does not cover color fade, watermarks or discoloration or stains on our products. Our deliveries colour variations may occur in different batches.

DISCLAIMER

The information given in this guide is based on guidelines for installation of domestic properties.This guidance does not cover any guidance for commercial decks as they require a more robust design, materials and construction that can deal with loads placed on them. This is just a general guide, it may not cover every scenario envisaged. It will be the sole responsibility of the installer for the installation methods they use and its performance as every installation differs and could be unique. Teckwood recommends that all designs should be reviewed by a licensed architect or engineer before installation, and that every plan or design meets that building regulations and permission before the beginning installations. Please use suitably qualified personnel to prevent injuries or accidents.

Derrinabrin Farm, Norwood Hill Road, Charlwood, Surrey, RH6 0EB, UK
0800 799 9082 • info@teckwood.co.uk • www.teckwood.co.uk