



COMPOSITE DECKING INSTALLATION GUIDE



TIMMDEK[®]

THE SUSTAINABLE WOOD COMPOSITE ALTERNATIVE

2025

V2(1)|INT|11

www.timmdek.com

DECKING | CLADDING | FASCIA | PERGOLAS | BELTERPRO FASTENERS

TIMMDEK® DECKING INSTALLATION GUIDE

Each range of Timmdek® decking boards has a unique appearance and should be arranged according to the end user's preference.

Prior to construction, check with your local regulatory agency's code requirements. For best results, follow all installation instructions, paying close attention to gapping, spacing and fastener requirements.

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ITEMS REQUIRED BEFORE STARTING YOUR INSTALLATION



SAFETY
EQUIPMENT



PEN OR
MARKER



TAPE
MEASURE



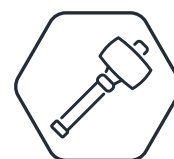
UTILITY
KNIFE



CARPENTER
SQUARE



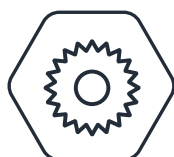
POWER
DRILL



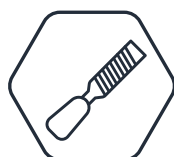
SOFT
MALLET



POWER SAW



FINE-TOOTH
SAW BLADES
40 TOOTH MINIMUM
CARBIDE-TIPPED WOOD



HAND FILE OR
SAND PAPER



LEVEL

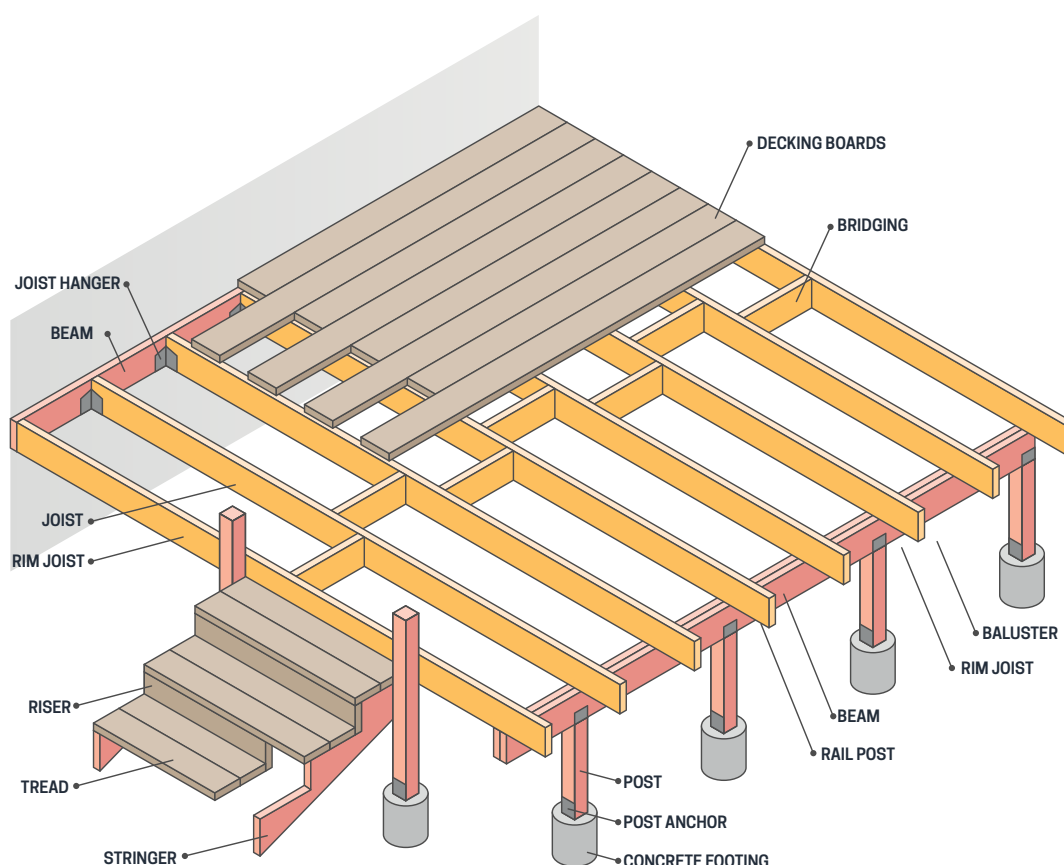


SPACING
TOOL



BELTERPRO
FASTENERS

DECKING INSTALLATION TERMS USED IN THE GUIDE



FRAME INSTALLATIONS

The recommended joist spacing is 350 mm centre-to-centre.

When you install the decking boards at an angle ensure that the decking board is supported not less than the specified joist spacing on its length.

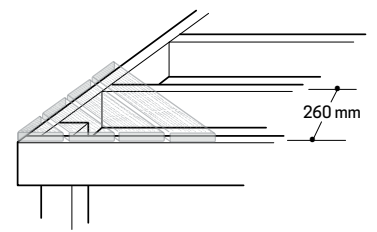
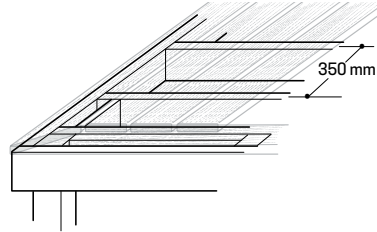
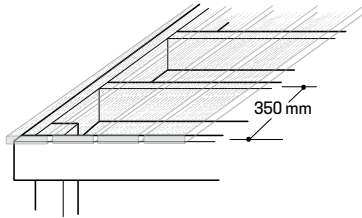
NOTE: Please reference Timmdek® website or product catalogue for joist spacing of your range of Timmdek® boards purchased at www.timmdek.com

STANDARD

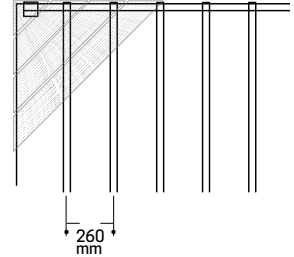
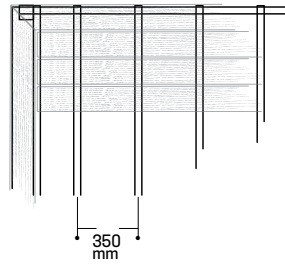
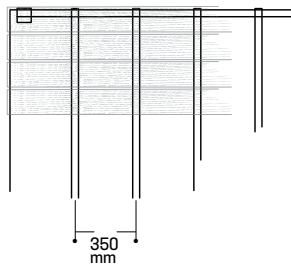
PICTURE FRAME

DIAGONAL

SIDE VIEW

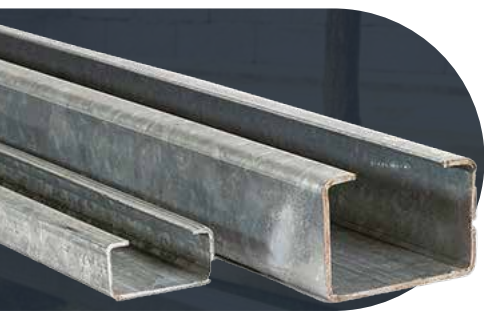


TOP VIEW



INSTALLING A RAISED WOODEN FRAME

- 1) Set out your decking area.
- 2) Set out the position of the posts.
- 3) Dig holes on your pole positions with an auger or spade.
- 4) Cut the poles to size (top of support beam).
- 5) Insert screws in the side of the pole so that the pole grips the concrete.
- 6) Place the pole in the hole on top of the ground so that moist and air can circulate through.
- 7) Use your building line to ensure your poles are lining up.
- 8) Fill the hole around the pole with concrete mix.
- 9) Cover the ground with a weed membrane and secure with gravel.
- 10) Concrete must set for a minimum of 24 hours unless otherwise specified by the manufacturer.
- 11) Bolt your main beams through the posts you have planted.
- 12) Ensure that the beams are fitted level or with the required slope. You can determine the correct level with a building line or chalk-line, mark the correct height and fasten your beam.
- 13) Check your level in both directions with a spirit level before installing the cross members.
- 14) Secure your joist at the correct joist spacing to your main beams.



INSTALLING A STEEL FRAME OVER A SOLID SUBSTRATE

- 1) Install posts and fix them to the substrate with suitable brackets, fastening them with chemical anchors and threaded bars or nylon plugs and screws.
- 2) Bolt your main beams through the posts you have installed.
- 3) Ensure that the beams are fitted level or with the required slope. You can determine the correct level with a building line or chalk-line, mark the correct height and fasten your beam.
- 4) Check your level in both directions with a spirit level before installing the cross members.
- 5) If you are installing a steel frame directly over a solid substrate, and you aren't using the trust clips and rather opt for a welding application, you need to purchase red oxide. Once you weld or cut the galvanised steel, the cut part is prone to rust so the red oxide or galvanised paint is required to treat the steel.
- 6) You will also need a steel polishing disk to polish down the welding bump so it doesn't leave the boards looking uneven.
- 7) For residential applications, you may need additional concrete strength with a minimum of 17 MPa.

HOW TO ADDRESS JOINS

- 1) Where two boards meet, each board must be supported by an individual joist and fixed with its own clip and screw.
- 2) A clip and screw must be installed at least 30 mm from the edge of the board and another clip.

BREAKER BOARD

- 1) The breaker board must be fully supported along its length, following the joist spacing specified for the profile.
- 2) Always allow for some room of 10 mm for contraction and expansion on either side of the board or alternatively, top fix one side of the board so that contraction and expansion can happen on the opposite side of the board.

CUTTING YOUR BOARDS MEASUREMENTS WILL BE UPDATED TO CENTIMETRES.



QUICK TIP: Recommended blades
185 mm 40T, 80T Wood Circular blades.
250 mm 40T, 72T, 80T Circular blades.

- 1) Upcut with a clean / smooth saw blade.
- 2) Cut deck boards with the leading edge of the saw blade, cutting into the exposed face. Use a jigsaw to finish cuts where a circular saw cannot completely cut.
- 3) Use a jigsaw to cut openings for protrusions.
- 4) If necessary, use a large file or medium-grit sandpaper to clean cut edges.
- 5) Use a utility knife to cut any fibres or strands.

NOTE: Cutting all the ends of your boards prior to installation is highly recommended. In the rare event that a strand or fibre protrudes from the board, do not pull it.

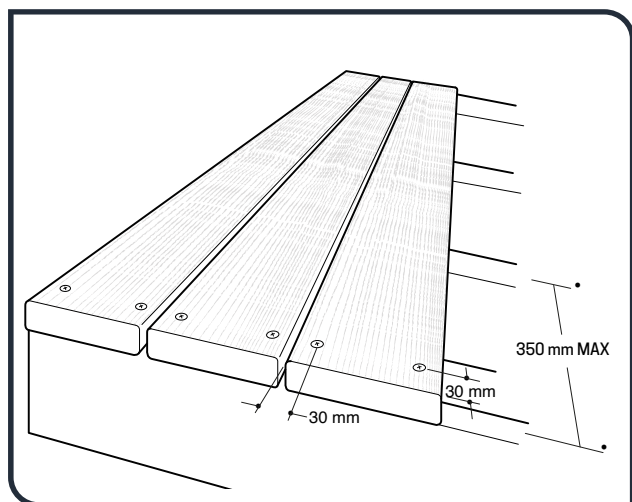


INSTALLING YOUR BOARDS MEASUREMENTS WILL BE UPDATED TO CENTIMETRES.



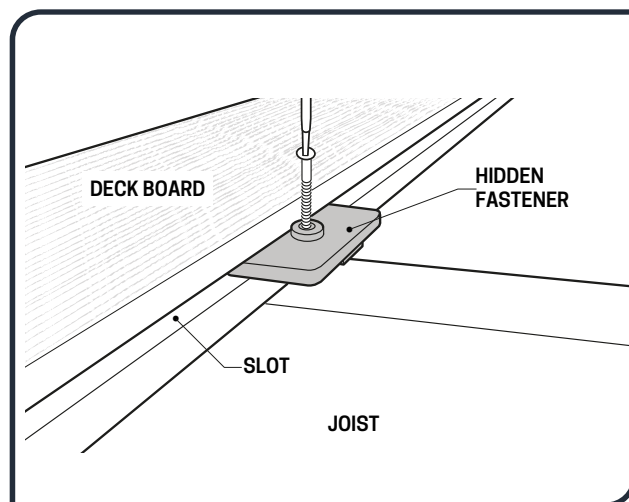
QUICK TIP: Fastener requirements
Corrosion-resistant, galvanised or stainless steel fasteners.
Reverse-thread composite screws.
Minimum of 65 mm long screws.
32 mm minimum penetration into joist.

- 1) Set the power driver such that screws are slightly counter sunk. Do not overdrive.
- 2) Use a minimum of two screws per joist.
- 3) The ends of each board must fall on a joist.
- 4) Double joist or use blocking where two board ends meet.
- 5) The maximum cantilever is 2.5 cm.
- 6) Install the entire deck at the same temperature.
- 7) Install the deck boards starting from the outside edge of the platform and work towards the anchor wall so that ripped pieces are against the wall.
- 8) Start installing from one end of the board and work toward the other end of the board. **OR:** Start installing from the centre of the board and work your way out towards the ends of the board. Do not install by fastening each end first and working toward the middle.
- 9) Continue installing deck boards, adhering to the gapping requirements.
- 10) Your first and last board needs to be top fixed.
- 11) To maintain a uniform look, make sure all the planks are aligned so that the embossed pattern faces the same direction.



BELTERPRO SCREW INSTALLATION

1. Use reverse-threaded composite deck screws.
2. Screws should be 30 mm from side of board, 30 mm from end of board.
3. Use color-matched screws for best results.
4. Use caution not to overdrive screw.



BELTERPRO HIDDEN FASTENER INSTALLATION

1. Please refer to the BELTERPRO fastener information on www.timmdck.com
2. Fastener slots may be routed into the side of the deck boards, as needed.
3. Follow hidden fastener manufacturer's instructions.

STAIR INSTALLATIONS

- 1) Stairs must be constructed according to national and local building codes.
- 2) Generally, building codes require treads to be a minimum of 91 cm wide and 28 cm in depth.
- 3) Maximum centre-to-centre spacing of stringers are required to be 23 cm.
- 4) Stair treads should be fastened over a minimum of 5 stringers to meet code requirements.
- 5) Maximum tread overhang over stringers is 1.3 cm.
- 6) Minimum gap between stair-tread boards is 0.3 cm.
- 7) Local building codes may require the gap to be increased to 0.6 - 1 cm to maintain the minimum tread depth

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