



Woodlike Vintage Composite Decking

INSTALLATION GUIDE



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REGALBOARD™ INSTALLATION GUIDE

TM

(Please keep this guide near at hand and make sure to read all before starting installation, for the following installation and maintenance instructions will guarantee a long life for your decking)

Safety

When working on any construction project, it is necessary to wear protective clothing and safety equipments to avoid any risk of injuries. Generally, when processing/cutting our Regalboard, it is recommended to

Wear safety glasses with side shields(or goggles);

Wear protective gloves;

Wear long-sleeved shirt and long pants;

Although fibers are non-respirable, it may still cause temporary skin and mucous membranes itching due to mechanical abrasion effect of fibers. In case of such iteching situation had, the following first aid measures should be adopted,

*Eye contact

- DONOT rub or scratch eyes

- Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes

- If eye irritation persists: Get medical advice/attention

*Skin contact

- Wash off immediately with soap and plenty of cold water

- DONOT use warm water because this will open up the pores of the skin, which will cause further penetration of the fibers

- DONOT rub or scratch affected area

- If skin irritation persists,call a physician

Tools

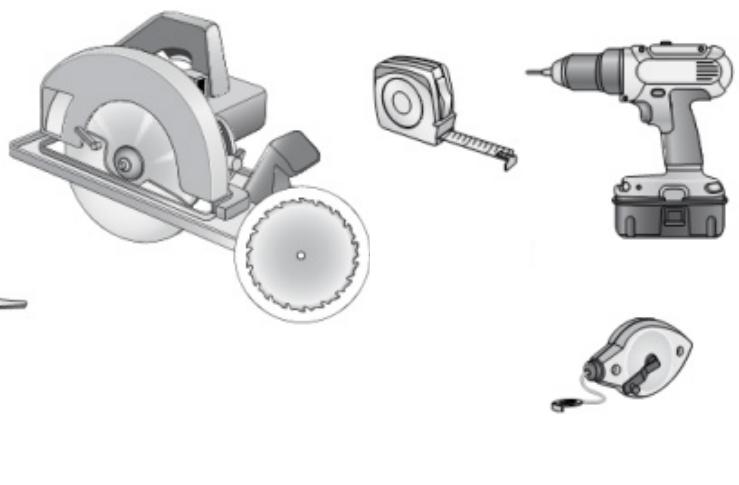
As usual, all you need is

Hammer,

Electric driller,

Saw with carbide-tipped blade,

Meter, Level and etc.



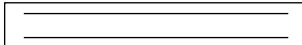
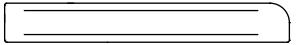
Storage

Please Store the composite decking boards in their original packaging, preferably in a well-ventilated roofed place. If installation does not occur immediately, the decks should be put on a flat surface at all times. Never ever should it be put on a surface that isn't flat.

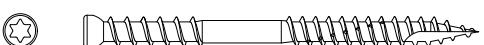


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PROFILE SPECIFICATIONS

DESCRIPTION	PROFILE WIDTH (MM)	DEPTH (MM)	TYPICAL LENGTH (MM)	COVERAGE (M/M ²) *	MASS PER M (KG/M)	RECOMMENDED SPANS (MM)
	175	24	3600	5.68	3.95	400
Decking board-Weathered grain						
	175	22	3600	5.68	3.51	400
Decking board-Refined grain						
	185.5	16	3600	5.33	2.69	/
Trim board						
	150	22	3600	/	2.993	400
Wide edge board						
	48	22	3600	/	1.15	/
Flexible edge board						

Top Fixing Screw

	M4.3	60	SS304 designed for boards of 20 to 27mm thickness into timber structure greater than 40mm thick.
	M4.3	40	SS304 designed for boards of 20 to 27mm thickness into timber structure greater than 25mm thick.
	M3	40	SS304 designed for boards of 20 to 27mm thickness into timber structure greater than 25mm thick.

Side Fixing Tool and Screw



Side Fixing Tool



Screwdriver Bit



Side fixing screw SS304, M4360ZFY
cannot be used for top fixing purpose



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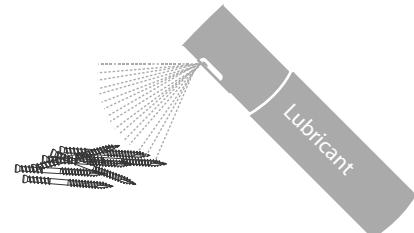
Thanks to the special capping material adopted, for our Regalboard™, there is no clip needed, but just with the special designed top fixing screws, your installation job can be accomplished easily.

Top fixing solution (propose for weathered grain board 175*24mm)

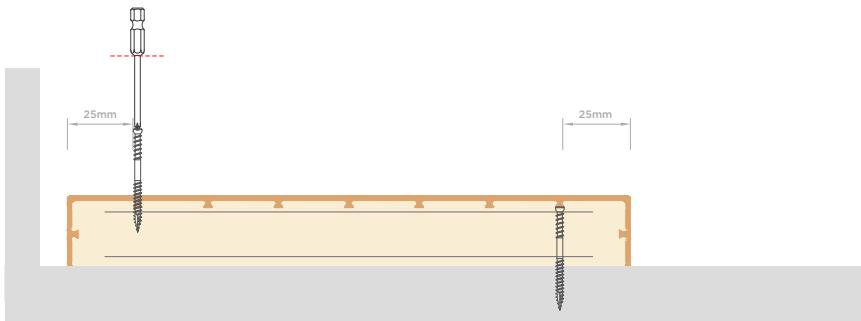
Step 1

Lubricating screw

To have smoother screwing process, it's recommended to lubricate the screws in advance.



Top fix your first board by using our special designed composite deck screw. It is always recommended to screw from the slot place so that the screws can be seated with better head lost effect.

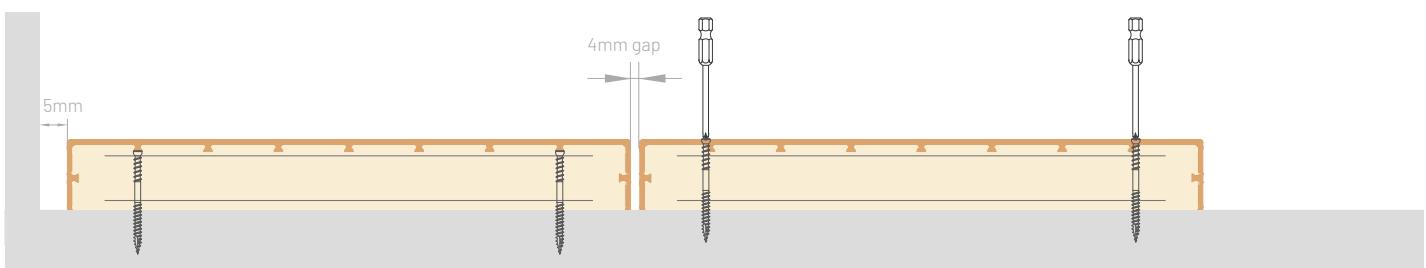


Keep the board 5mm away from the walls or other obstacles to allow for expansion of the composite products and also for ensuring good drainage and ventilation.

When screwing in, it is recommended to make the screw head 3mm-4mm under the surface material. This can be achieved by feeling the screwing-in resistance, as the core material and the surface capping material density is different.

Step 2

Lay the 2nd board and a 2 to 3 mm gap should be left between each board.



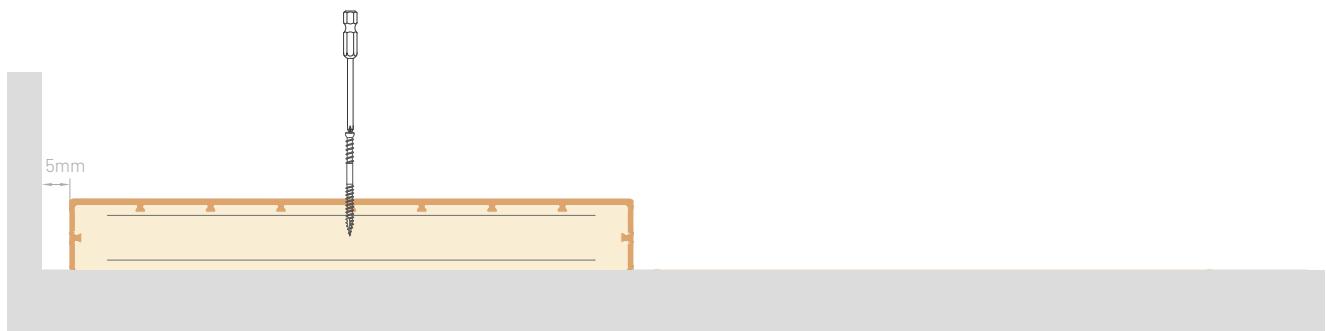
Step 3

Top fix the next board till the last board with screws.

Side fixing solution

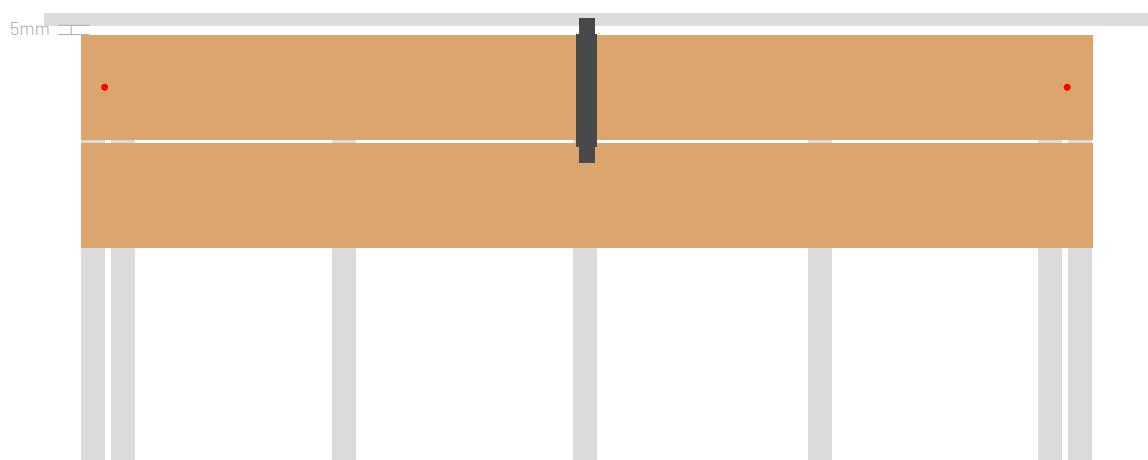
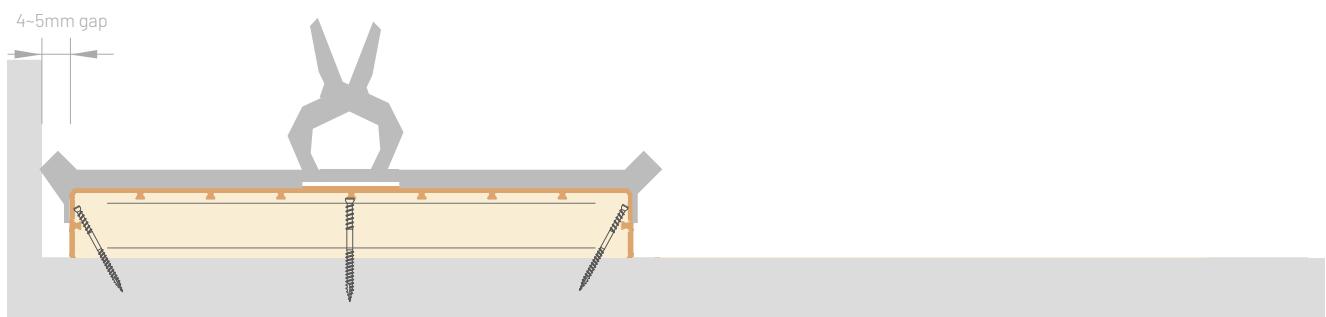
Step 1

For the first board, fix the two end by slim screws(M3040), so that the board will not move.



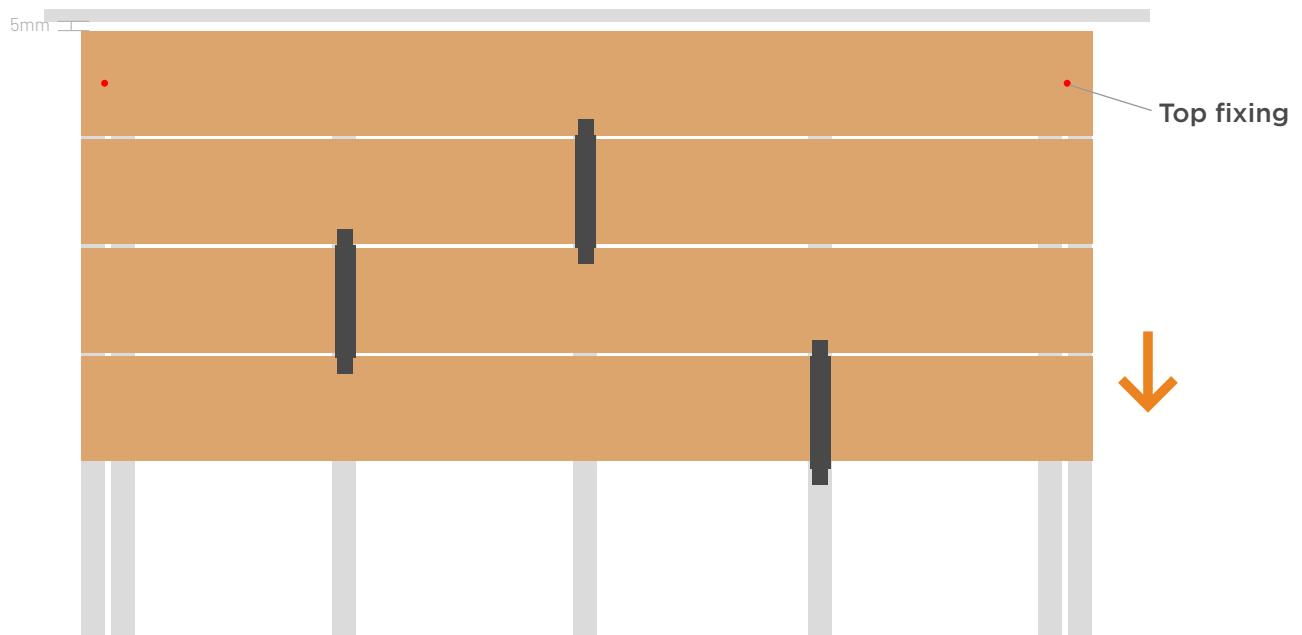
Step 2

After fasten the board from two ends, take the side fixing tool to clamp the board where there is joist, tighten the tool, feed the screws and screw it accordingly.



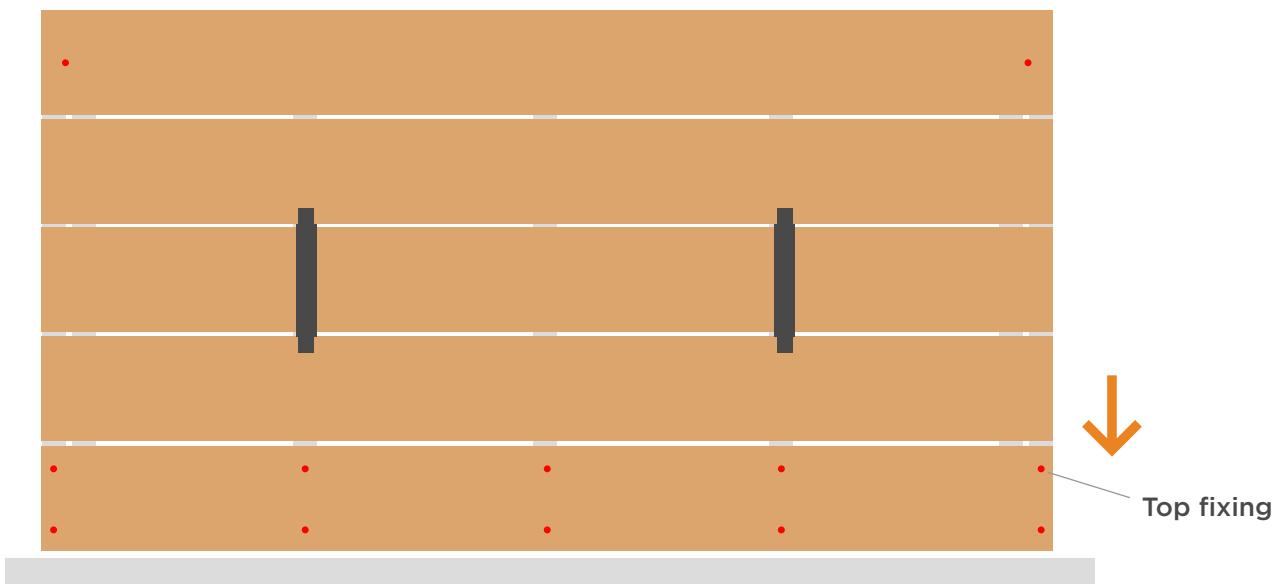
Step 3

Repeat the 2nd step to finish the installation.



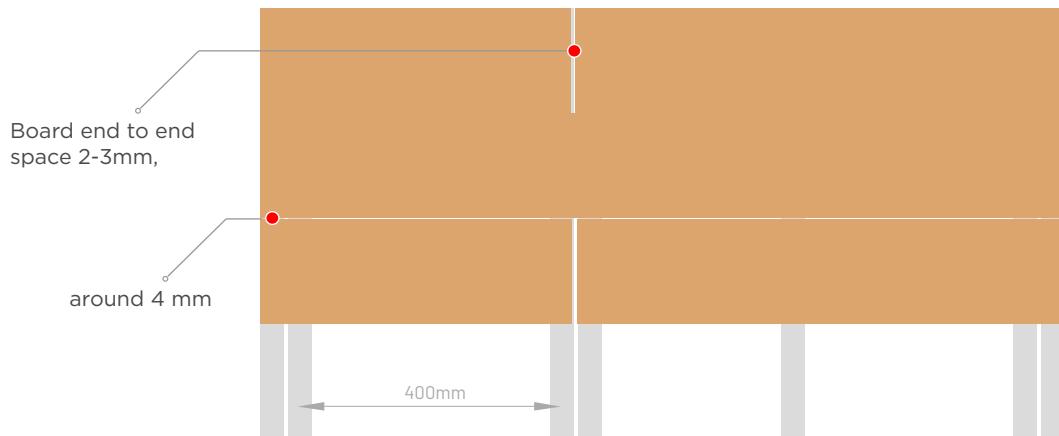
Step 4

For the last board, if there is wall or other obstacle which not allow to have side fixing, then can still adopt the slim screw(M3040) to fix the last board from top.

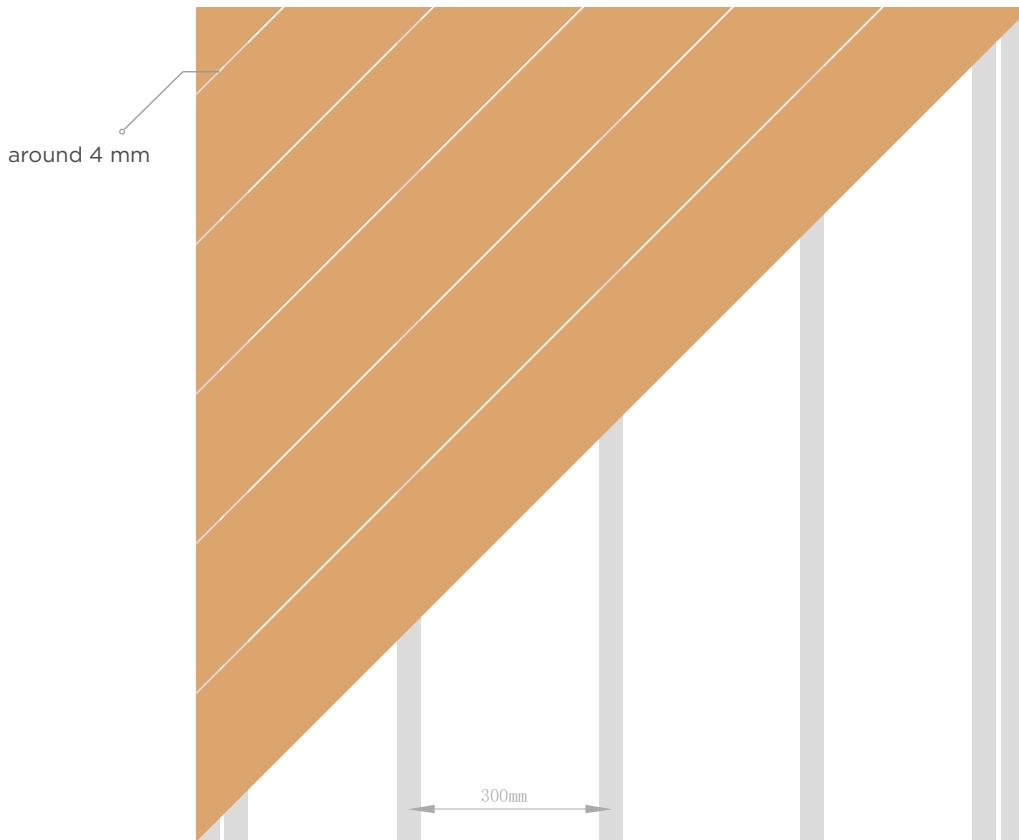


Keel spacing

1. Normally, the joist span is recommended at 400mm .



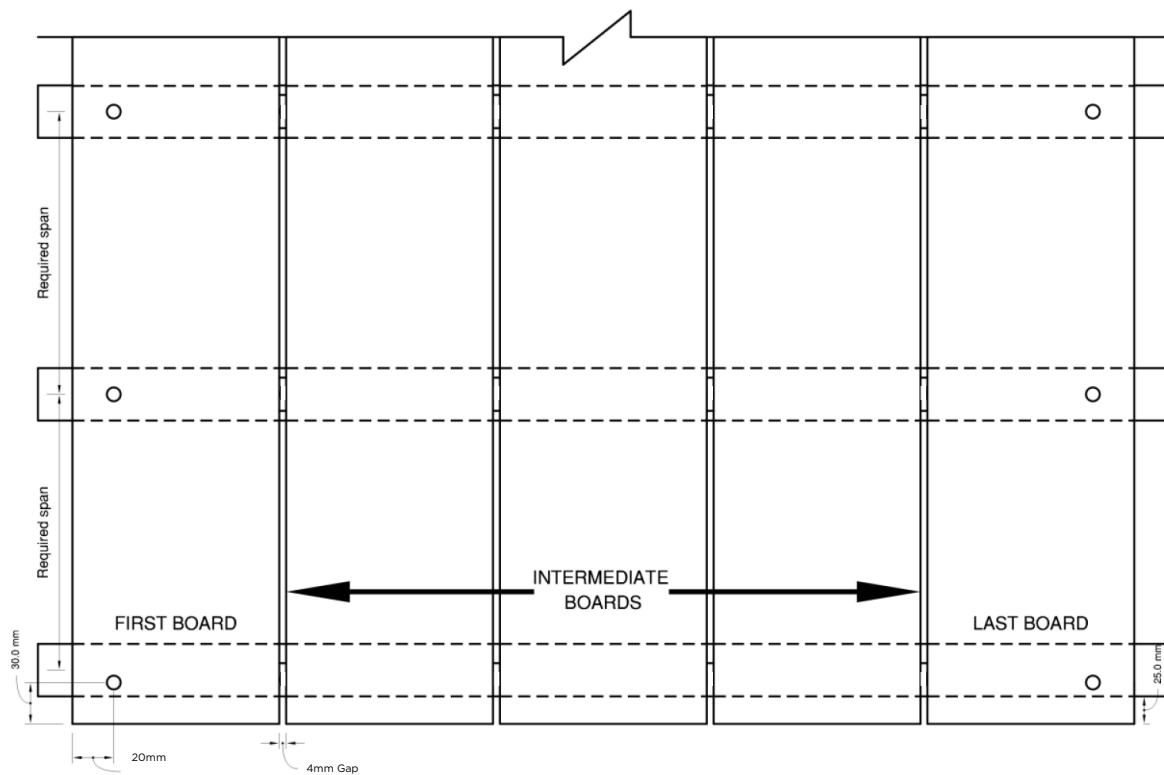
2. When installing boards at an angle of 45° to the joists, the joist centres should be reduced to 300mm for residential installations and 240mm for commercial.



Fixing point location

When top fixing the deck boards, fasten the boards 20mm or farther from any edge of the board, and at a spacing of 20mm to the next fastener to avoid any board cracking.

Use at least two screws to fasten each board to avoid the board pivoting around one screw and cracking.



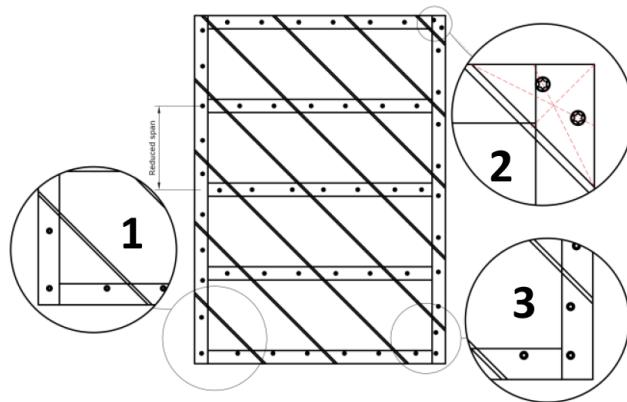
Triangular piece fastening

Small triangular pieces are often found in diagonal decking as well as where boards have been mitred.

1- It is good practice to fasten all 3 edges of a triangular piece to avoid pivoting.

2-Where small pieces do not allow for this, 2 screws can be used , but should be positioned in such a way as to prevent pivoting.
Try to plan the deck in such a way that both ends of the deck do not have overly small pieces of decking.

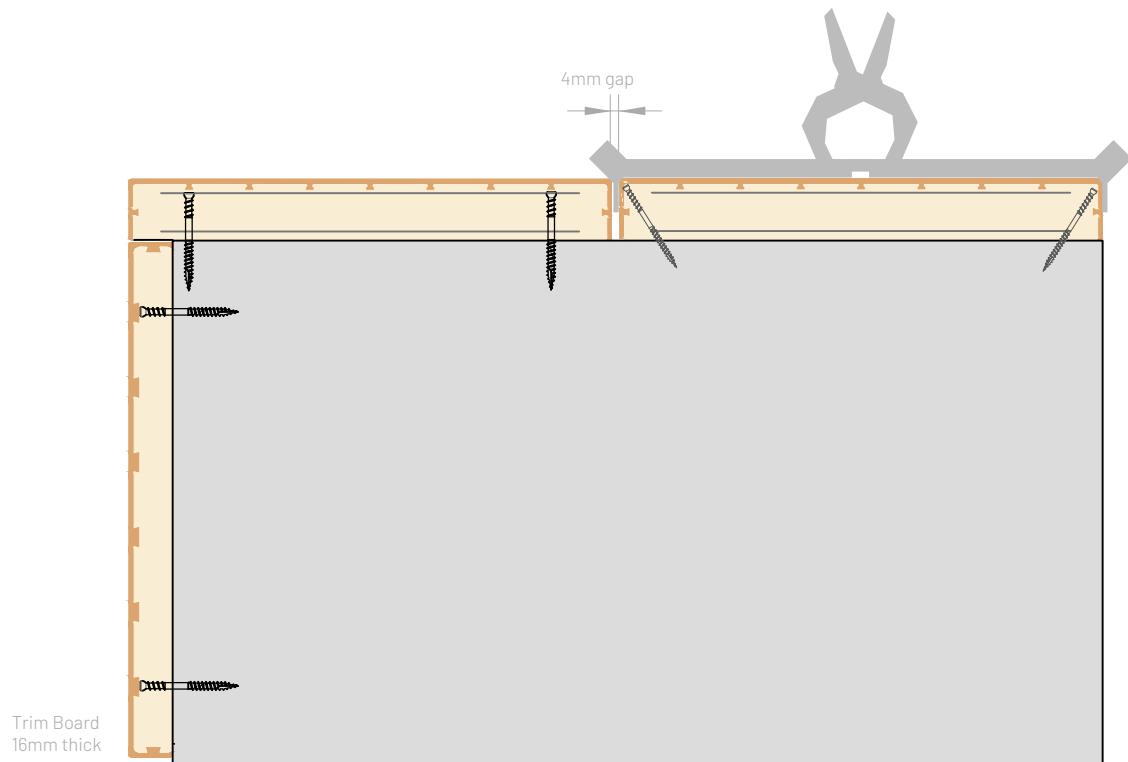
3- Where deck boards are cut at odd shapes like arrow heads additional fasteners may be required to prevent levering



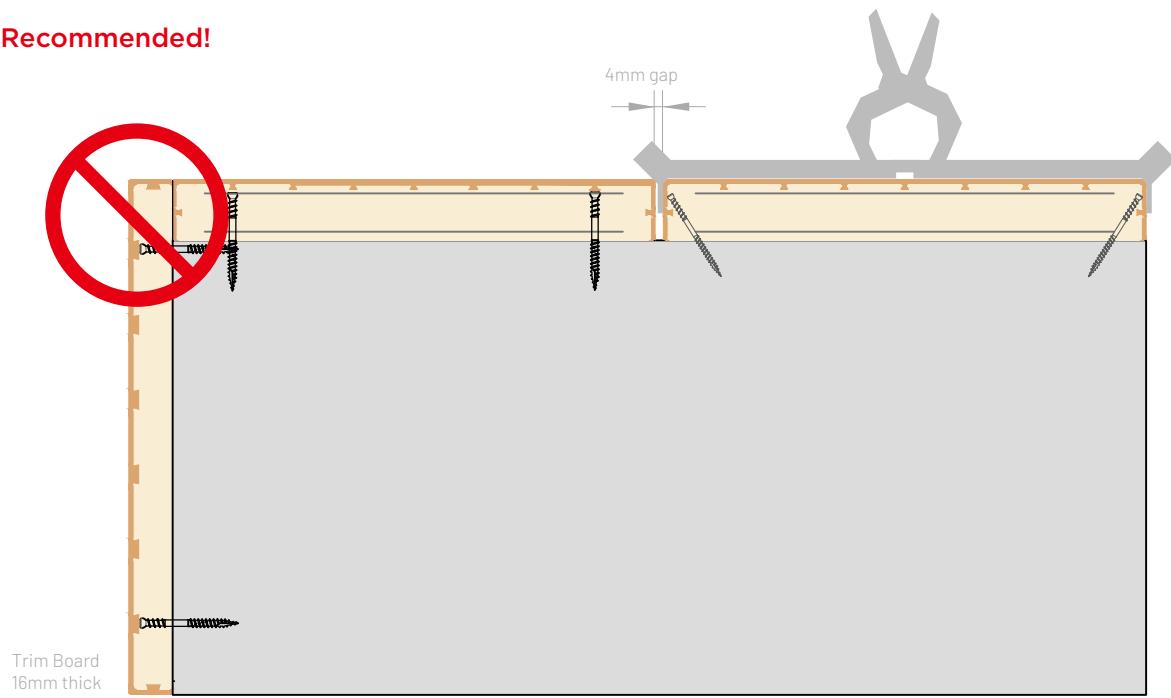
Trim the deck

By adopting our Regalboard trim board, the deck section can be sealed in same color and same looks grain material, which ensure the project with best effect.

Trim Board: Flush Finish

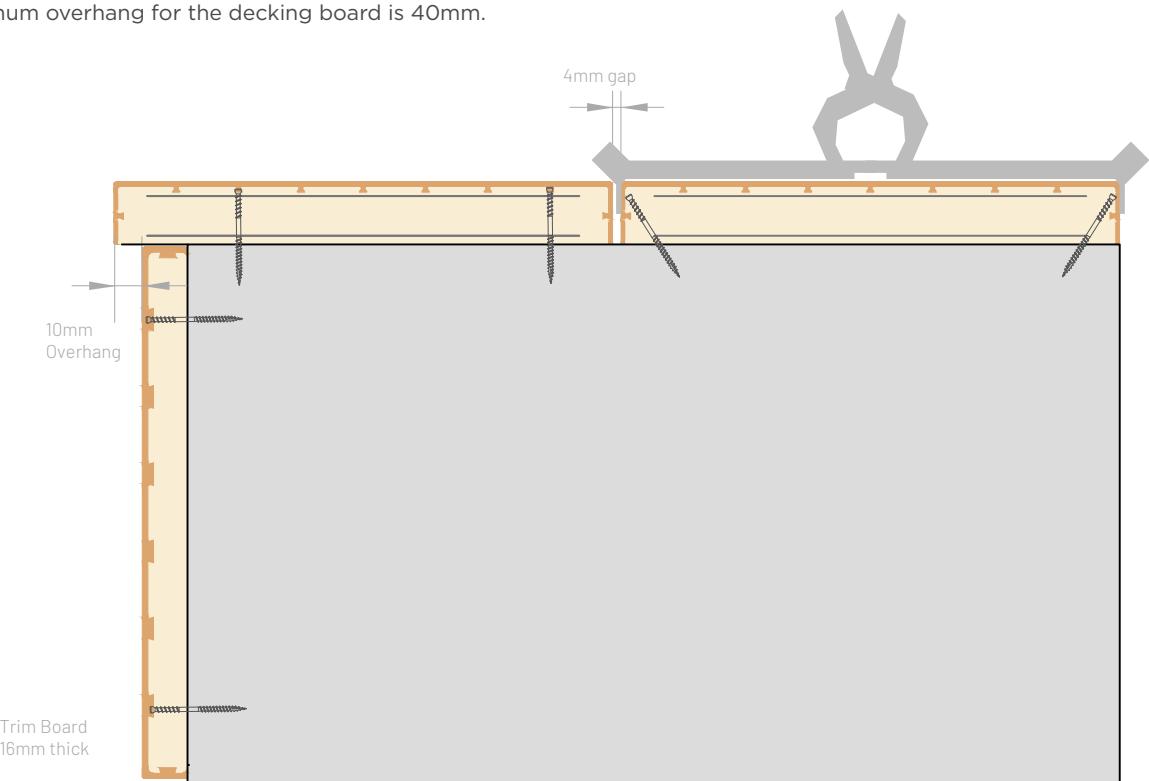


Not Recommended!



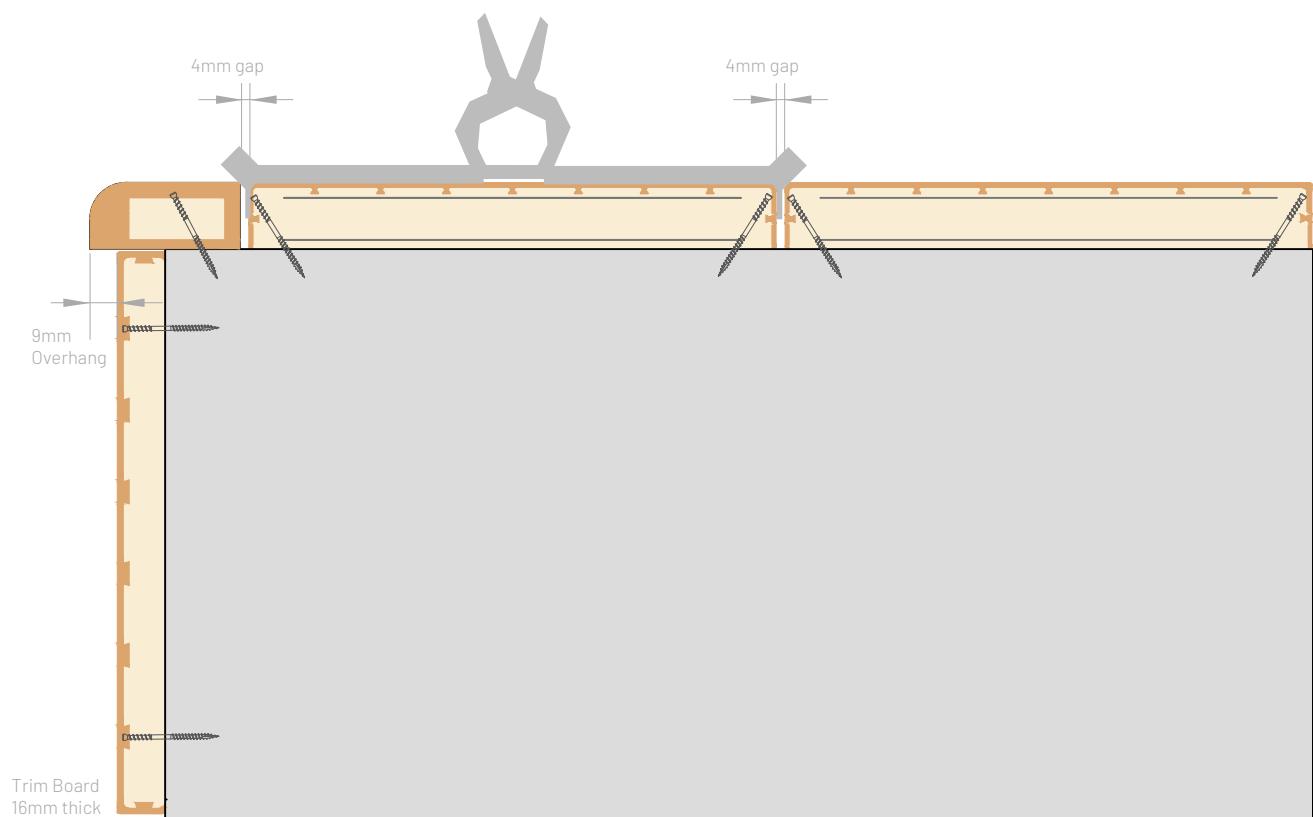
Trim Board: Overhang

When fixing fascia boards, fasten the boards around 50mm from the edge of the board.
Maximum overhang for the decking board is 40mm.



Flexible bullnose

The flexible bullnose can also be bent to circle the deck.
The maximum overhang for the flexible bullnose is 9mm.





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