



AMAN PVC

COMPOSITE WOOD

DECKING TECHNICAL GUIDE

PRODUCT GUIDE
INSTALLATION
TECHNICAL SPECIFICATIONS
CARE & MAINTENANCE



Prior to the installation of any form of decking, it is recommended that you check the local building codes for any special requirements or restrictions.

AMAN Composite Wood is a new type of composite (WPC) made by mixing 60% wood powder with 28% HDPE and 12% additives. These are extruded through our modern CNC high pressure/temperature extrusion machines.

Our WPC not only has a high degree of anti-UV and weather resistance, but also is also easy to work with and install. AMAN WPC's are highly resistant to moisture, so there is no "Wood Rot" and termites just do not seem to like getting near our products. No cracking, warping or splintering ensures an efficient and easy installation process for our builders. We also have a very stable UV product, so the color will have minimal fading from the harsh conditions.

BENEFITS OF AMAN WPC



PRODUCT DESIGN & INSTALLATION OPTIONS



HIGH DURABILITY & WEAR RESISTANCE



DOESN'T ABSORB WATER, SO NO WOOD ROT



MINIMAL COLOR FADE <3% TO 5%



HIGH MECHANICAL & IMPACT RESISTANCE

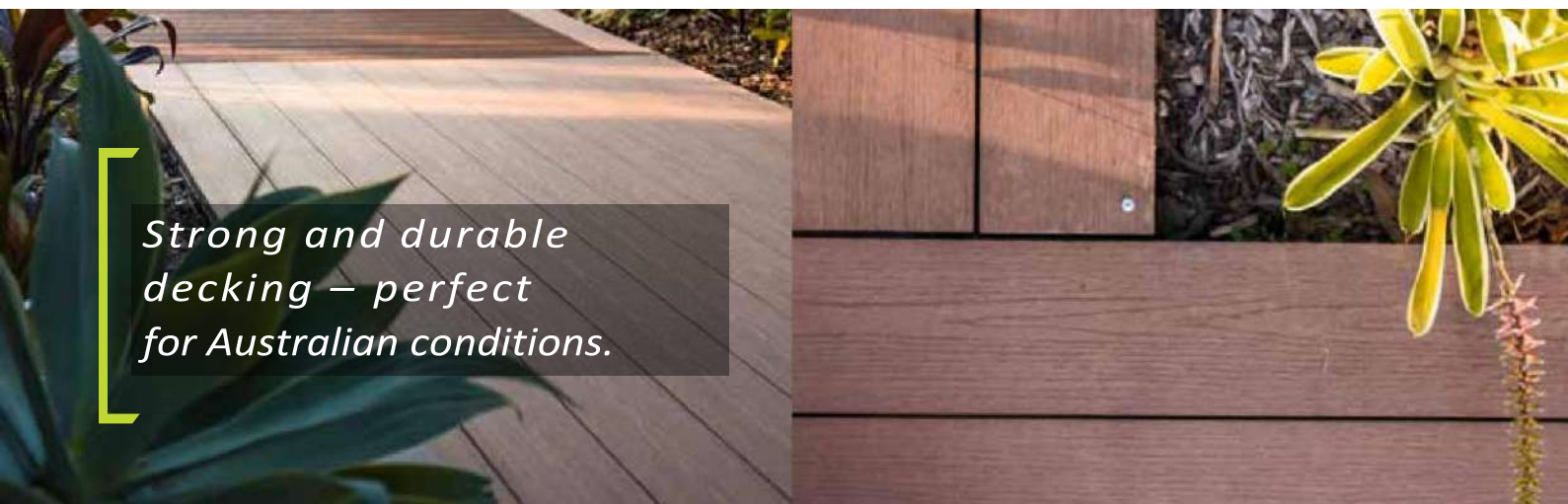


EXCELLENT DIMENSIONAL STABILITY - WON'T WARP, TWIST OR BOW



EASY CLEANING, MAINTENANCE & REPAIR

Strong and durable decking – perfect for Australian conditions.

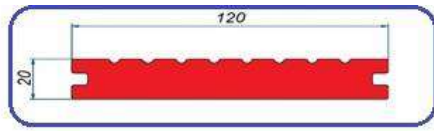


GENESIS DECKING

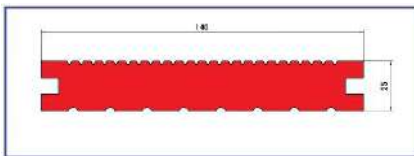


COMPOSITE WOOD

SOLID DECKING PROFILE

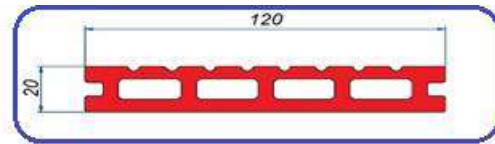


120x20mm

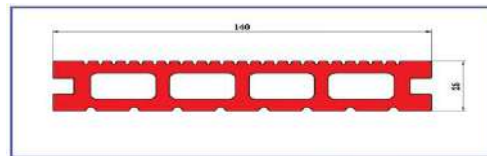


140x25mm

HOLLOW DECKING PROFILE



120x20mm



140x25mm

MARINE TEAK

DRIFTWOOD

BRUNSWICK

CHOCOLATE

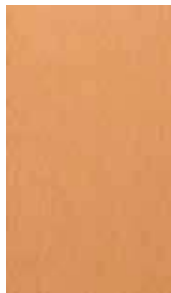
SHALE GREY

GLACIER

SELECT STANDARD COLORS



CHARCOAL



OAK



ASH GREY



JARRAH



SANDED



EMBOSS

STANDARD FINISHES

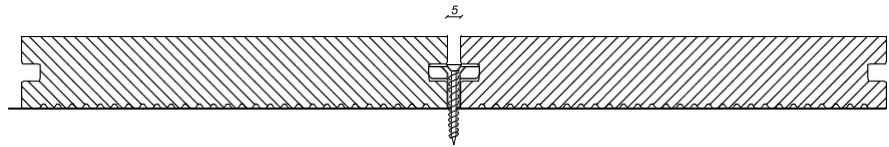
Colors and finishes shown here are approximate representations only. Additional colors and finishes are available on request.

DECKING INSTALLATION

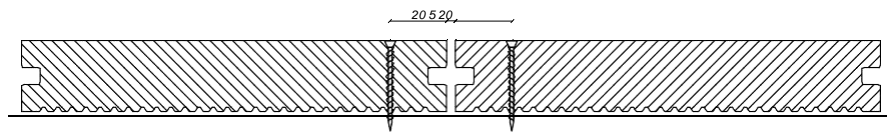


DECKING INSTALLATION OPTIONS

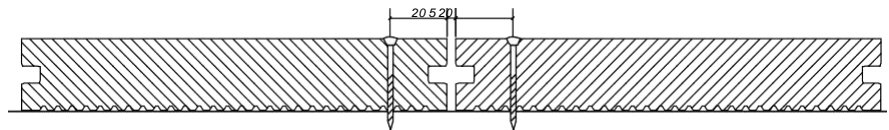
Using our hidden clip system (ABS or stainless steel clips)



Using countersunk decking screws



Using dome head nails



We recommend the hidden clip system for simple and easy installation and no unsightly marks to the top of the decking boards, or risk of any protruding nails.

INSTALLATION TOOLS AND ACCESSORIES



CIRCULAR SAW

Cut AMAN composite wood to specific lengths on site to meet installation requirements.



HAND DRILL

Since Composite materials have a higher density, all screw holes should be pre-drilled.



ELECTRIC HAMMER DRILL

Use a Hammer Drill for securing batons to solid wall surfaces.



TAPE MEASURE



LEVEL



AMAN STAINLESS STEEL CLIP AND SCREW



AMAN DECKING STARTER CLIPS



EXPANSION SCREWS

Batons should be made of suitable material for the purpose – for example, treated pine timber, steel, aluminum or specific composite batons



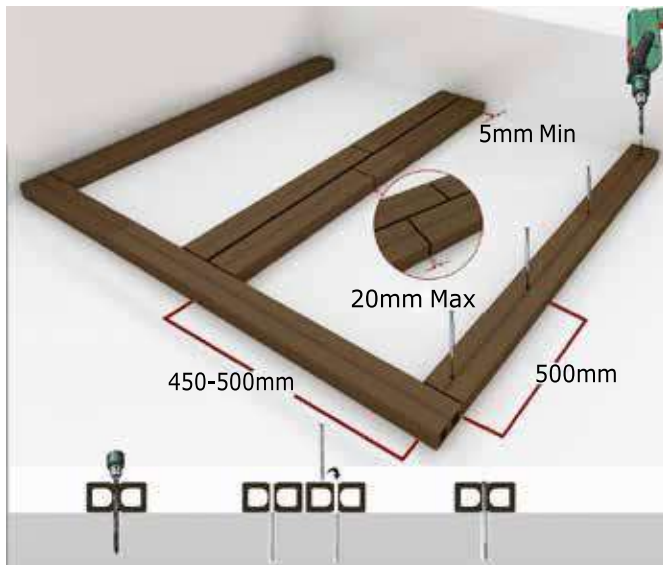
AMAN DECKING



AMAN 40x40 CORNER EDGING BOARD

AMAN 40x18 JOIST

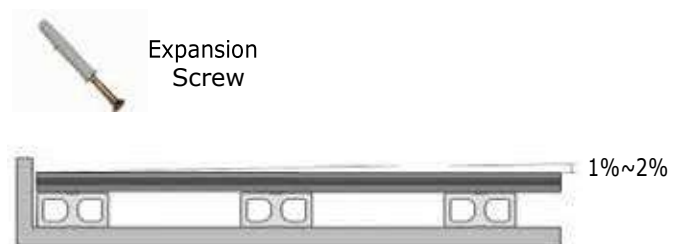
JOIST INSTALLATION (ON CONCRETE BASE)



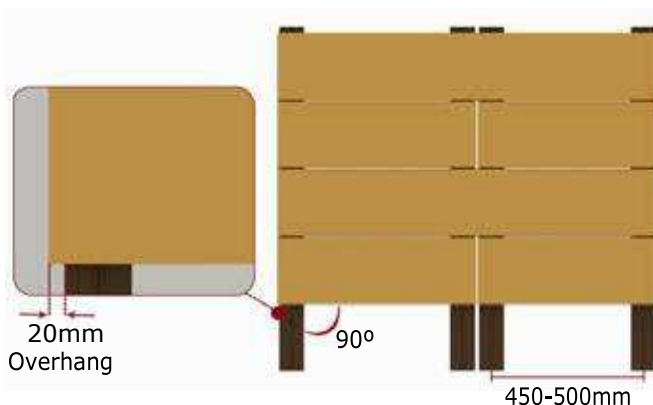
Section View

Calculate the decking span and joists to make the frame of your deck. Ensure joists are spaced and secured as per Technical Information table. The frame needs to be level with a slight taper away from the dwelling, allowing for water flow.

Allow 5mm spacing between each joist for linear expansion at ends. Joists are to be no more than 2m lengths.

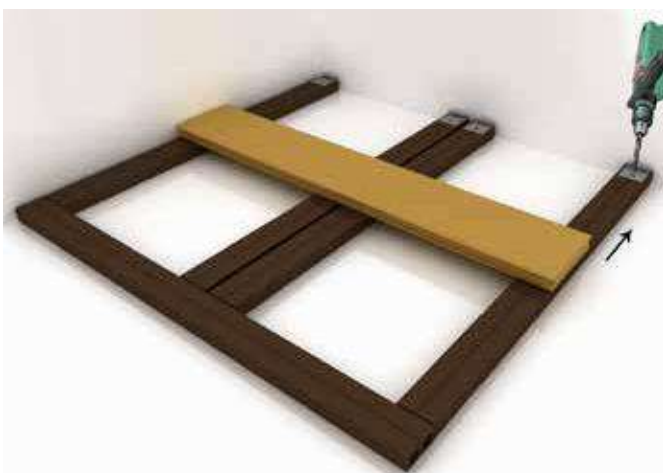


DECKING INSTALLATION TIPS



- Decking must be perpendicular to the joist.
- Composite products expand and contract with temperature longitudinally. An expansion gap of 5mm should be allowed at each butt joint
- For installation in cool conditions, allow 5mm expansion gap. For installation in hot conditions, allow 2mm gap for contraction.
- Maximum 20mm overhang at the side of outer joists.
- Prior to the installation of any form of Wall Panel or Cladding, it is recommended that you check the local building codes for any special requirements or restrictions. AMAN Decking should not be used for columns, beams, joists or support posts, other than that in which it is intended. Failure to follow these instructions may void the warranty.

STARTING CLIPS

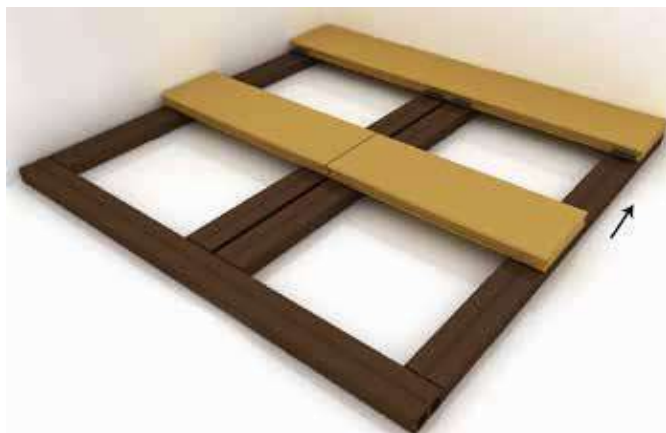


Pre-drill and screw in the starting clips to the end of each joist at the desired distance.



Slide the first board onto the starter clip, horizontally.

DECKING BOARD INSTALLATION (WITH CLIPS)



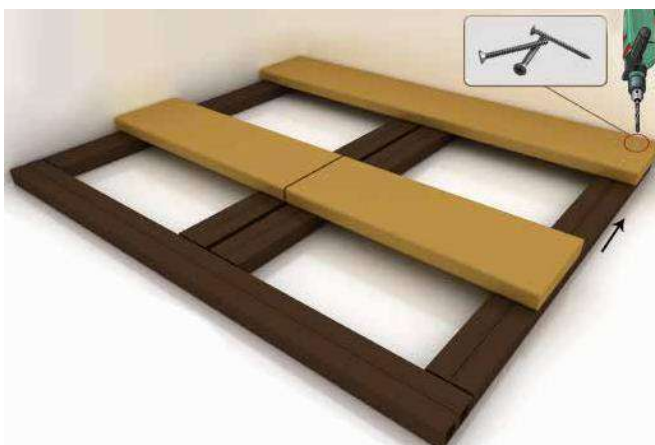
AMAN STAINLESS STEEL CLIP AND SCREW

Insert the decking clip onto the first board then slide the second board into place. Against this first decking clip, lightly screwing down the decking clip around halfway. Once the first and second board are in place, tighten the decking clips to secure the joint between decking board one and two.



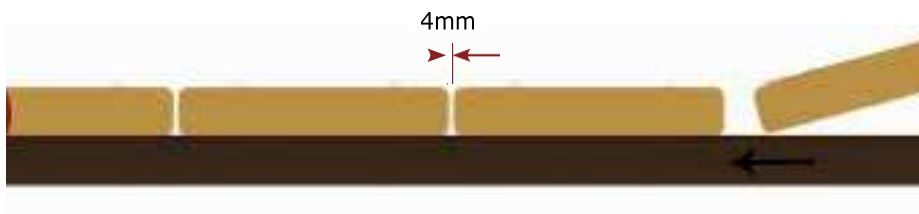
Continue to slide the decking boards and clips into the grooves of the previous board and secure with the decking clips and screws to the joist.

DECKING BOARD INSTALLATION (WITH SCREWS)



Place the first decking board into place, allowing for 5mm linear expansion from any solid structure.

Pre-drill and screw two stainless steel screws per joist, to secure the board into place. Ensure fixings are inset 20mm from the end of board and 20mm from edge. Continue installing boards in each row, ensuring boards are spaced a minimum 3mm, and butt joints are 5mm.



For installation in cool conditions, allow 5mm expansion gap. For installation in hot conditions, allow 2mm gap for contraction.

BUTT JOINTS



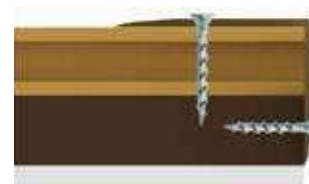
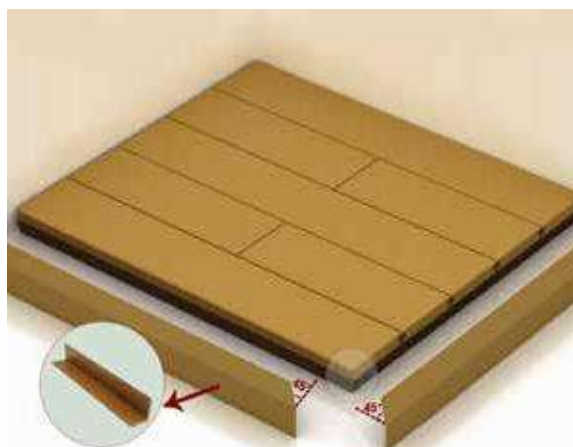
Allow expansion joints between decking of 5mm by using the above spacer to help set this spacing.

FINISHING



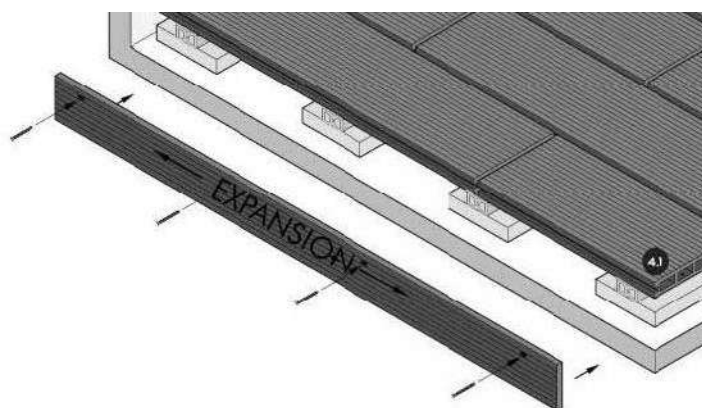
Secure the last decking board, pre-drilling and screwing at 45 degrees. Alternatively, rip the edge clip groove off and top fit. Pilot drill with 2mm clearance hole.

EDGE BOARD INSTALLATION

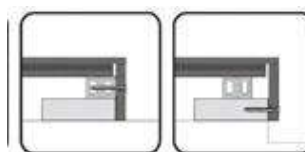


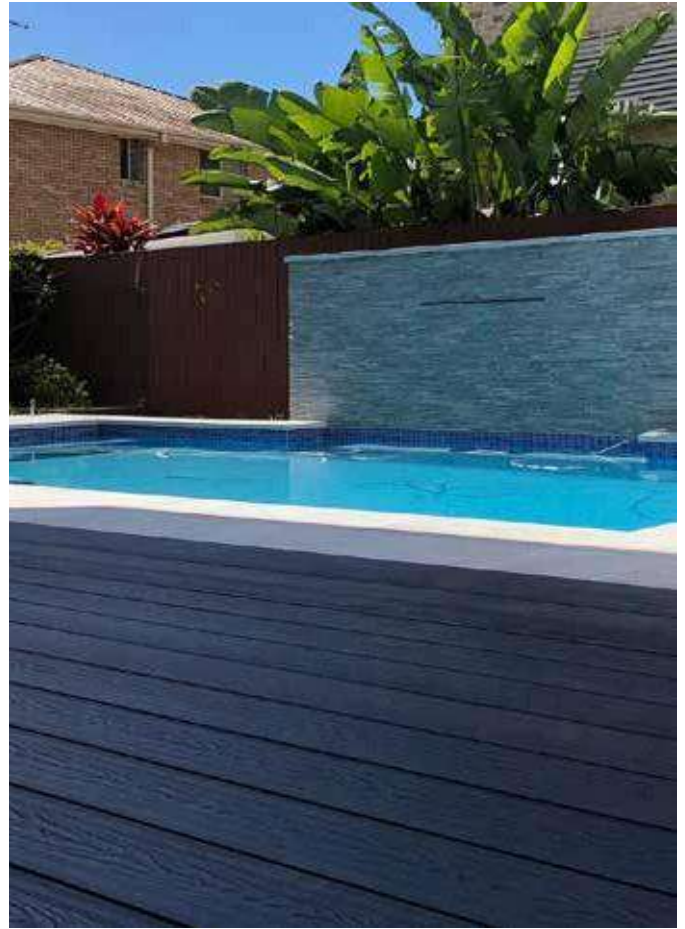
Mitre the top section of the corner edging board, to ensure abutment at corners. Install at the decking edges by pre drilling in the centre of the corner board, and into the decking and joist, using countersunk screws.

FACE BOARD OPTION



Attach a fascia board flush with deck surface. Make sure you allow for thermal expansion.





INSTALLATION TOOLS AND ACCESSORIES



CIRCULAR SAW

Cut AMAN composite wood to specific lengths on site to meet installation requirements.



HAND DRILL

Since Composite materials have a higher density, all screw holes should be pre-drilled.



ELECTRIC HAMMER DRILL

Use a Hammer Drill for securing batons to solid wall surfaces.



TAPE MEASURE



LEVEL



AMAN STAINLESS STEEL CLIP AND SCREW



AMAN DECKING STARTER CLIPS



EXPANSION SCREWS

Batons should be made of suitable material for the purpose – for example, treated pine timber, steel, aluminium or specific composite batons (CN-40x30-joist).



AMAN DECKING



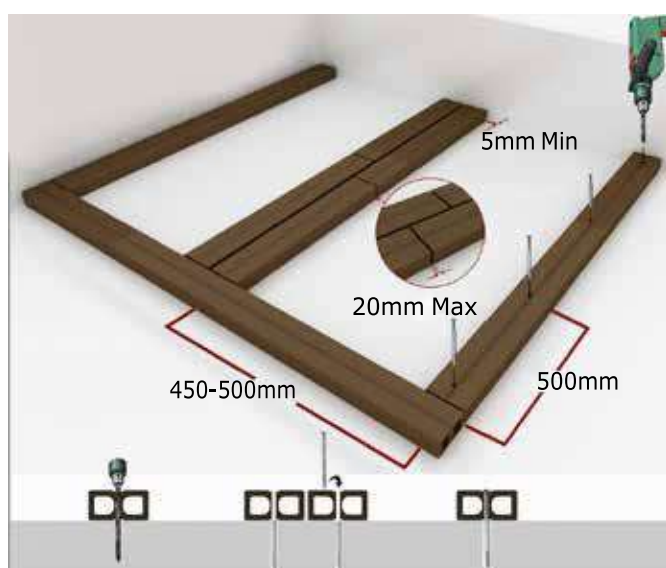
AMAN 40x40 CORNER EDGING BOARD



AMAN 40x18 JOIST

SAFETY
When cutting, drilling or hand sawing any WPC material, ensure you wear a dust mask, safety glasses and wear ear protection.

JOIST INSTALLATION (ON CONCRETE BASE)



Section View

Calculate the decking span and joists to make the frame of your deck. Ensure joists are spaced and secured as per Technical Information table. The frame needs to be level with a slight taper away from the dwelling, allowing for water flow.

Allow 5mm spacing for linear expansion at ends.

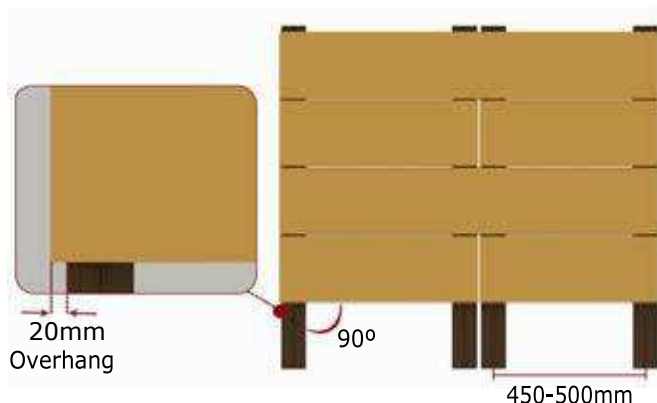


Expansion Screw



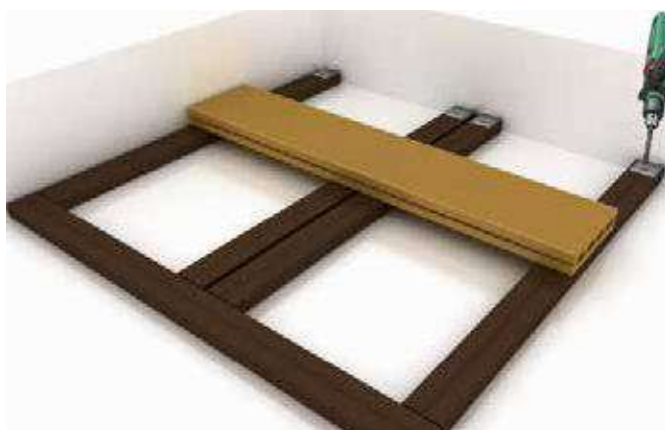
1%~2%

DECKING INSTALLATION TIPS



- Decking must be perpendicular to the joist.
- Composite products expand and contract with temperature longitudinally. An expansion gap of 5mm should be allowed at each butt joint
- Maximum 20mm overhang at the side of outer joists.

STARTING CLIPS

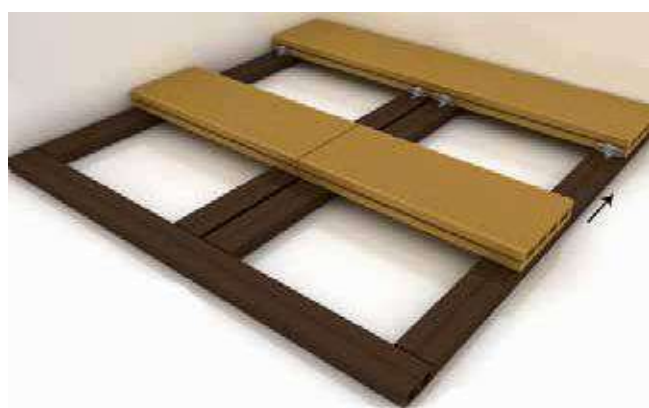


Pre-drill and screw in the starting clips to the end of each joist at the desired distance.



Slide the first board onto the starter clip, horizontally.

DECKING BOARD INSTALLATION (WITH CLIPS)

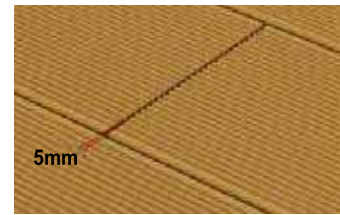


Insert the decking clip onto the first board then slide the second board into place against this first decking clip, then lightly screw down the decking clip, around Halfway. Once the first board and the second board are in Place, tighten decking clips to secure the joint between decking board one and two.



Continue to slide the decking boards and clips into the grooves of the previous board and secure with the decking clips and screws to the joist.

BUTT JOINTS



Allow expansion joints between decking of 5mm by using AMAN Decking Clips to help set this spacing.

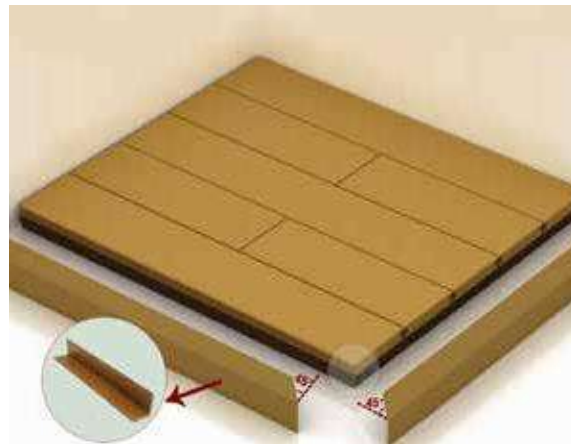
FINISHING



For hollow decking, drill a small hole around 5mm at the end of each board to allow for water drainage.

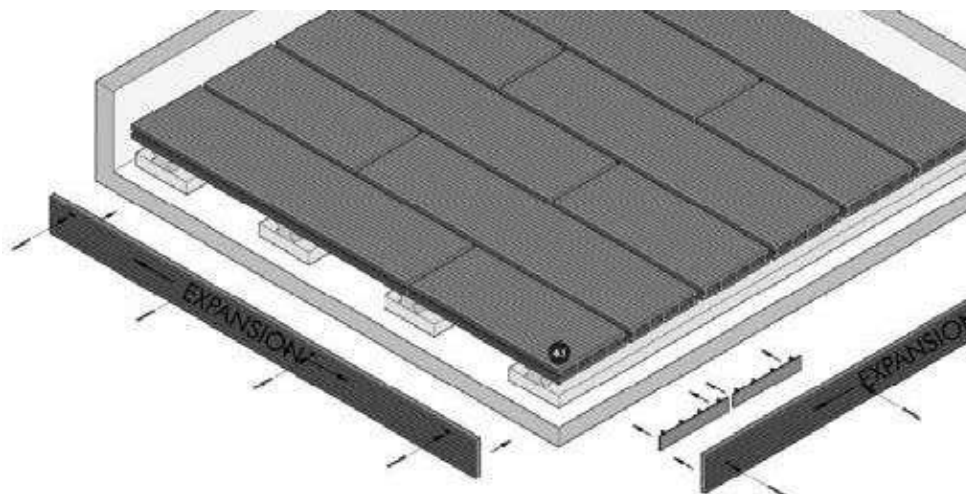
Secure the last decking board, pre-drilling and screwing at 45 degrees.

EDGE BOARD INSTALLATION (CN-S CORNER)



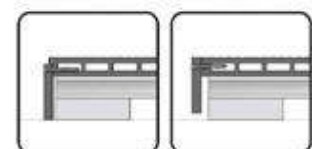
Mitre the top section of the corner edging board, to ensure abutment at corners. Install at the decking edges by pre-drilling in the centre of the corner board, and into the decking and joist, using countersunk screws.

FACE BOARD OPTION



Insert end caps by lightly tapping into the decking board ends.

Attach a fascia board flush with deck surface. Ensure to allow for thermal expansion.



CODE COMPLIANCE

Joists must be spaced on centers according to the following chart. Be sure that joists are level and plumb. AMAN decking must span at least three joists.

For heavy items such as hot tubs, planters, etc., consult a local building engineer or inspector for span recommendations. If you want to minimize the appearance of joists through the spaces between boards, paint the top of your joists black.

TECHNICAL SPECIFICATIONS	Solid Decking (mm)	Hollow Decking (mm)
Dimensions	120 x 20mm x 5.4m	120 x 20mm x 5.4m
Boards / Pack	70	70
Minimum ground clearance	15	15
Minimum clearance over concrete	15	15
Joist centers (max distance)*	450 - 500	400 to 450
Joist centers - Light Commercial (max distance)*		350-400
Joist centers - Commercial (max distance)*	350-450	
Minimum end-gap – butt joint	5	5
Minimum gap – side by side	4	4
Minimum end gap to solid structure	5	5
Minimum distance from edge of board for Top fixing	20	
Minimum distance from end of board for Top fixing	20	
Maximum overhang at end joist	20	20
Number of SS Starter Clips	one/joist	one/joist
Number of SS Decking Clips/sq.M	22	22
Top / Face Fix Screw (Typical Decking Screw) size	5x75mm	N/A

*If you require confirmation of joist centers on a "uniformly distributed action" and a "concentrated action" for Solid Decking, please contact AMAN

In all cases for Hollow Decking, when screwing down do not overdrive screws. Fix with low to medium torque. Fixing too close to the end of the board will cause splitting. DO NOT fix within 15mm of end of board.

STORAGE

Storage is simple. Store flat, in a dry area, under cover and out of the sun. Keep your AMAN products wrapped in the packaging it arrives onto site. If you need to store your AMAN products for a longer than expected period of time, or have a delay in your project, call us at AMAN and we'll store your product for you at an agreed price & period of time.

Following our easy-care tips will ensure that your decking looks fresh and attractive for years to come.

NORMAL CARE

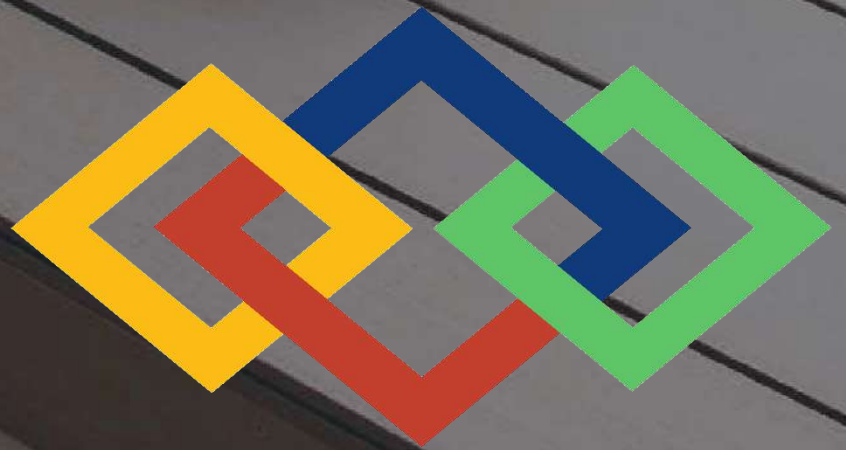
Once AMAN decking is installed, periodic cleaning is necessary to keep it looking great. For dirt, dust and other residue, simply brush with a soft broom. If necessary, wash the decking down in the direction of the grain with a garden hose or a pressure washer, no more than 1,500 psi.

PROBLEM	SOLUTION
Mould and Mildew	Clean away leaves and debris that promote mould growth. Ideally, you should clean the dirt off your walls before mildew starts, because the dirt is what feeds the mould. If mould/mildew appears, a deck washing product and a detergent can be used. Never mix any other cleaners with the deck washing product. Vinegar can be used to kill the mould.
Rust stains/stubborn spots	Use a cleaning product containing oxalic or phosphoric acid base to lighten or remove the rust or dirt. Product may need to sit on stain 10-15 minutes.
Ice and snow	If you reside in a cold weather climate and would like to avoid accumulating Snow/ice on your AMAN deck, use calcium chloride or safety rock salt to melt it. Remove the ice and snow with a plastic or wood shovel as it begins to melt.
Oil and Grease Stains	As soon as the spill has occurred, use hot water and dishwashing detergent, to remove the stain. Be sure to thoroughly rinse the detergent off the deck with hot water. If need be, use a light stainless steel scourer
Berries and Wine Stains	Mix bleach into hot water according to the bleach-packaging label. Scrub the stain lightly and rinse thoroughly. The stain may not disappear entirely.
Ink Stains	Inks may be permanent. However, scrubbing with hot soapy water may lighten the stain. Rinse thoroughly.

Note: Please note that some cleaners can lighten the color of your decking, so always test any cleaner on a small section of before cleaning the entire surface.

ADDITIONAL TIPS

- Remove food, spills and other debris and clean immediately to minimize the possibility of staining.
- Never apply harsh solvents such as acetone, gasoline, benzene, carbon tetrachloride or paint thinner to your deck.
- Never mix two or more cleaning agents when cleaning your decking.
- Keep the area around your decking clean and well ventilated.
- If you have any further queries, please call us on AMAN – 1800 105 031 or email info@AMAN.com.au



AMAN PVC

احتفظ بالجودة في منزلك!

أمان بي في سي

العاشر من رمضان

INFO@AMANPVC.COM

WWW.AMANPVC.COM