



INSTALLATION GUIDE

PURA

SCREENS



Being a composite product, Pura Screens behaves and has different characteristics to timber. To achieve a safe and long lasting Pura Screens installation, it is important to read the following guide in full.

WARNINGS

1. It is the sole responsibility of the homeowner, contractor or the installer to determine the specific requirements, effectiveness, suitability and safety in regard to any application or use of Pura Screens products.
2. Pura Screens is not designed to be a free standing product. It must be installed safely and correctly to a fixed frame.
3. The frame must comply with all the relevant Building regulations. The posts must be securely anchored to the ground (not floating).
4. Pura Screens can be fixed with 2 fastener at every post and any single piece of Pura Screens must be installed over 3 spans (i.e. 3 posts 900mm spacing).
5. Pura Screening should not:
 - Be used as a structural or load bearing member.
 - Be used in any potentially stressed situation such as a security or safety balustrade or decking.
 - Be applied directly to a solid surface such as concrete.
6. Pura Screens must have sufficient gaps provided between boards and at joins and edges to allow for proper thermal movement and ventilation.

NATURAL VARIANCES & COLOUR

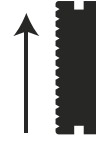
Pura Screens is made from reclaimed and recycled materials. Whilst every care is taken to ensure consistency of performance and quality, natural variances will occur from one board/batch to the other in appearance, colour and texture. These variances are similar with those naturally found on timber screening and are designed to blend in and even out over time. Pura Screens board dimensions are subject to normal manufacturing variations and tolerances. Reasonable variances in board dimensions are not considered a product fault and due care should be taken when installing to allow for these. Pura Screens will never fade to grey like timber when exposed to the elements. Pura Screens contains 45% natural timber fibres. When exposed to UV these fibres will slightly lose their brightness. This is a normal process for any exterior building material. After 3-6 months Pura Screens will stabilise and maintain its colour.

HEALTH & SAFETY

Always use proper protective clothing and safety equipment when cutting and drilling.



Use hardwood blades



Carry this side up

CUTTING

For best results, use carbide tipped blades. When using a drop saw we recommend a 60-80 tooth blade for cutting.

GAPS & SPANS

Centre-to-centre joist spacing (max)	900mm
Min. ground clearance	50mm
Min. side-to-side gap	6mm
Min. end-to-end gap (butt joint)	1-3mm*
Min. gap for end edge to solid structures	2-3mm*
Min. distance from side edge for fastening 1 screw	Centre of board
Min. distance from side edge for fastening 2 screw	15mm
Min. distance from end edge for fastening boards	15mm
Pre-drill and countersink	Required

*Gap distances vary depending on temperature during installation. Read section 'Expansion gaps' to discern appropriate gapping for your project.

THERMAL EXPANSION AND CONTRACTION

Pura Screens expands and contracts in length with changes in temperature. This is normal behaviour of any wood plastic composite and is not a product fault. It is most important to take this into proper consideration during installation of your Pura Screens. The amount of expansion and contraction you experience is dependent on several different factors including:

- Climate: installing in the peak of summer or winter or large changes in temperature between day and night.
- Screening position: if the Screen is in direct sun light or part shade etc.
- Board length: the longer the board, the more it will expand and contract
- Fully fastened boards: you will notice less movement in the boards once they are fully installed/fastened down to the posts.

EXPANSION GAPS

It is important to take these factors into account when gapping your boards. Pura Screening expands along its length, not in its width. If you are installing in the peak of summer or a hot day for your location, leave a tight (1mm) gap - they will contract as they cool resulting in gaps opening. If you are installing in the peak of winter or a cool day for your location, the required (3mm) gap should be left to give the boards room to expand.

In moderate temperatures, we recommend leaving a gap somewhere in between to allow for the expansion and contraction of the boards.

TIPS:

- Allow the boards a few days to acclimatise to your site conditions. This allows your Pura Screens to adapt to the ambient heat typical of your location.
- Delay any edge/length trimming until after installation and preferably trim at the same time.

THERMAL DEFLECTION

Due to the nature of polymers this product may exhibit a slight thermal deflection between posts, which may occur within 3-6 months after installation. This can be caused by heat exposure to one side of a board as opposed to the other. The extent to which this occurs is dependent on several factors including climate and the direction which the screening is facing the sun.

This phenomenon is not considered a product fault. You may wish to consider additional post support if this occurs.

INSTALLATION & FASTENING

• Fixing Pura Screening to Timber posts

Screwing using stainless steel 8g x 40mm screws is the recommended method of fixing Pura Screening to timber posts. Pre-drilling and countersinking the boards is imperative to ensure the best results and to avoid splitting the boards. Nailing is not recommended.

• Fixing Pura Screening to Steel posts

High quality 8g x 30mm screws that are appropriate for steel is required when fixing Pura Screens to steel posts. Pre-drilling and countersinking the boards is imperative to ensure the best results and to avoid splitting the boards. Drilling a pilot hole larger than the screw is recommended to allow for the increased movement caused by expansion and contraction. Wing Tek screws are not recommended.

CLEANING AFTER INSTALLATION

A general clean is essential immediately after installation to remove tannins and surface debris from installation and periodically as you see it:

1. Scrub the Screens with hot water and dishwashing liquid with a medium bristle brush.
2. Wash down your Screen thoroughly – a high pressure hose is recommended.

CLEANING YOUR PURA SCREENS

Cleaning requirements of your Pura Screens will vary depending on product use and weather exposure. We recommend a general clean is performed at least annually. As Pura Screens is not impermeable to stains, any foreign substances should be cleaned off immediately. Pura Screens can stain, especially if not cleaned regularly. Refer to our Care & Maintenance guide for more information.



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