



Composite Decking

A range of innovative, high-performance composite decking and railing solutions

- ◆ Quick and easy to install.
- ◆ Rot-resistant, weatherproof and easy to clean.
- ◆ Range of colours and finishes.
- ◆ Durable, split and splinter-free surface.
- ◆ Environmentally friendly.

**Ticks
all
the
boxes**

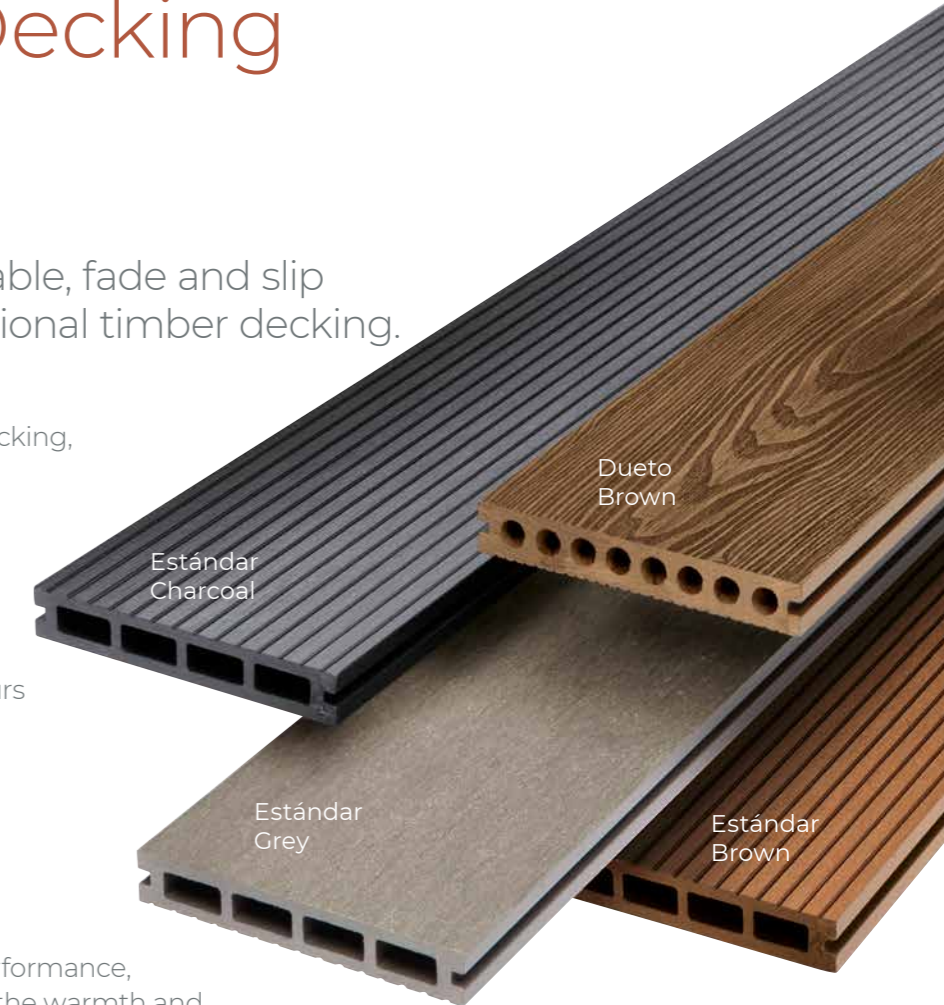



Guardian
Building Products

Composite Decking System

The high-performance, durable, fade and slip resistant alternative to traditional timber decking.

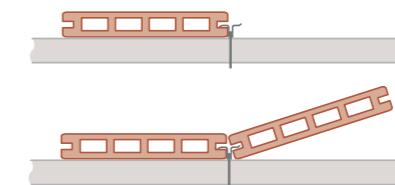
- ◆ Better – does not rot, unlike timber decking, weather resistant and easy to clean
- ◆ Faster – quick and easy to install
- ◆ Safer – durable, slip resistant, split and splinter-free surface
- ◆ Choice of flat 'sanded', grooved or wood grain effect finishes in five colours
- ◆ Low maintenance
- ◆ Hidden fixing system
- ◆ Environmentally friendly



Have more time to do what you love on Guardian Composite Decking. A high-performance, eco-friendly wood alternative, that offers the warmth and appeal of natural hardwood without all the time and expense of regular maintenance.

Choose from a range of colours and finishes to suit your style and budget. Finishes can be 'mix and matched' or reversed after a period of time.

Deck boards are quick and easy to fix using the supplied grab clips - a simple 2-step operation.



Composite Decking is slip resistant, splinter-free and very low maintenance with no requirement for annual treatment or oiling to keep that just installed look.

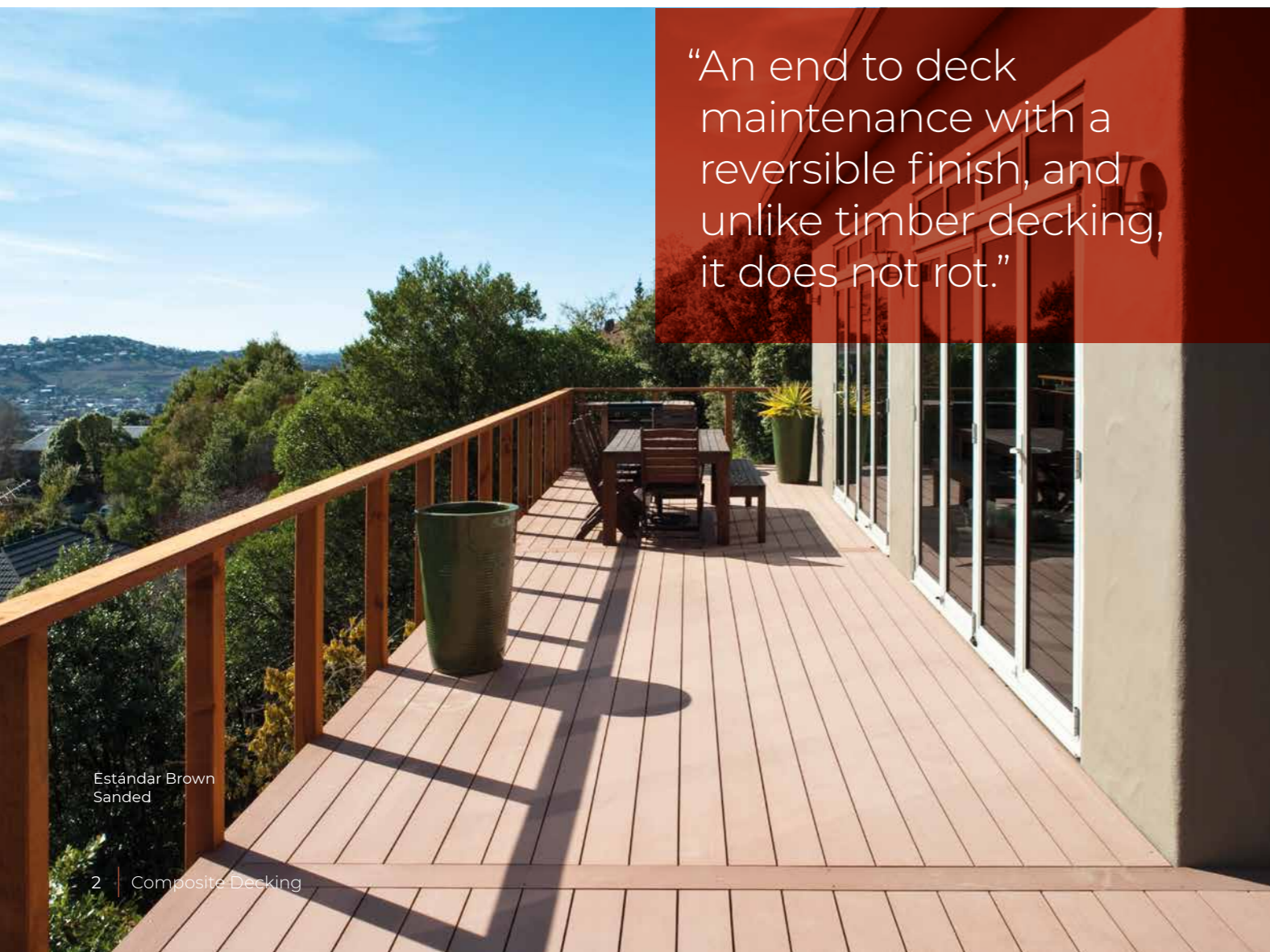
Dueto two-tone double-sided hollow deck boards, wood grain and narrow ribbed, available in grey and brown: 150mm x 23mm x 3.6m.

Estándar hollow deck boards, sanded and ribbed, available in charcoal, grey and brown: 146mm x 22mm x 3.6m.

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Estándar Brown Grooved



“An end to deck maintenance with a reversible finish, and unlike timber decking, it does not rot.”

Estándar Brown Sanded



Water Resistant



Natural Look & Feel



Quick & Easy Installation



Slip Resistant



Easy to Clean and Maintain



Eco-friendly Solution

Composite Decking Installation

Supplied complete with stainless steel fixings for quick and easy installation, and with a colour coded edging and fascia trim available for that finishing touch.

Before you start

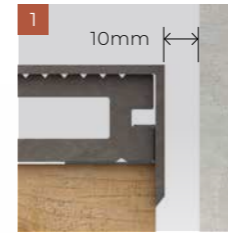
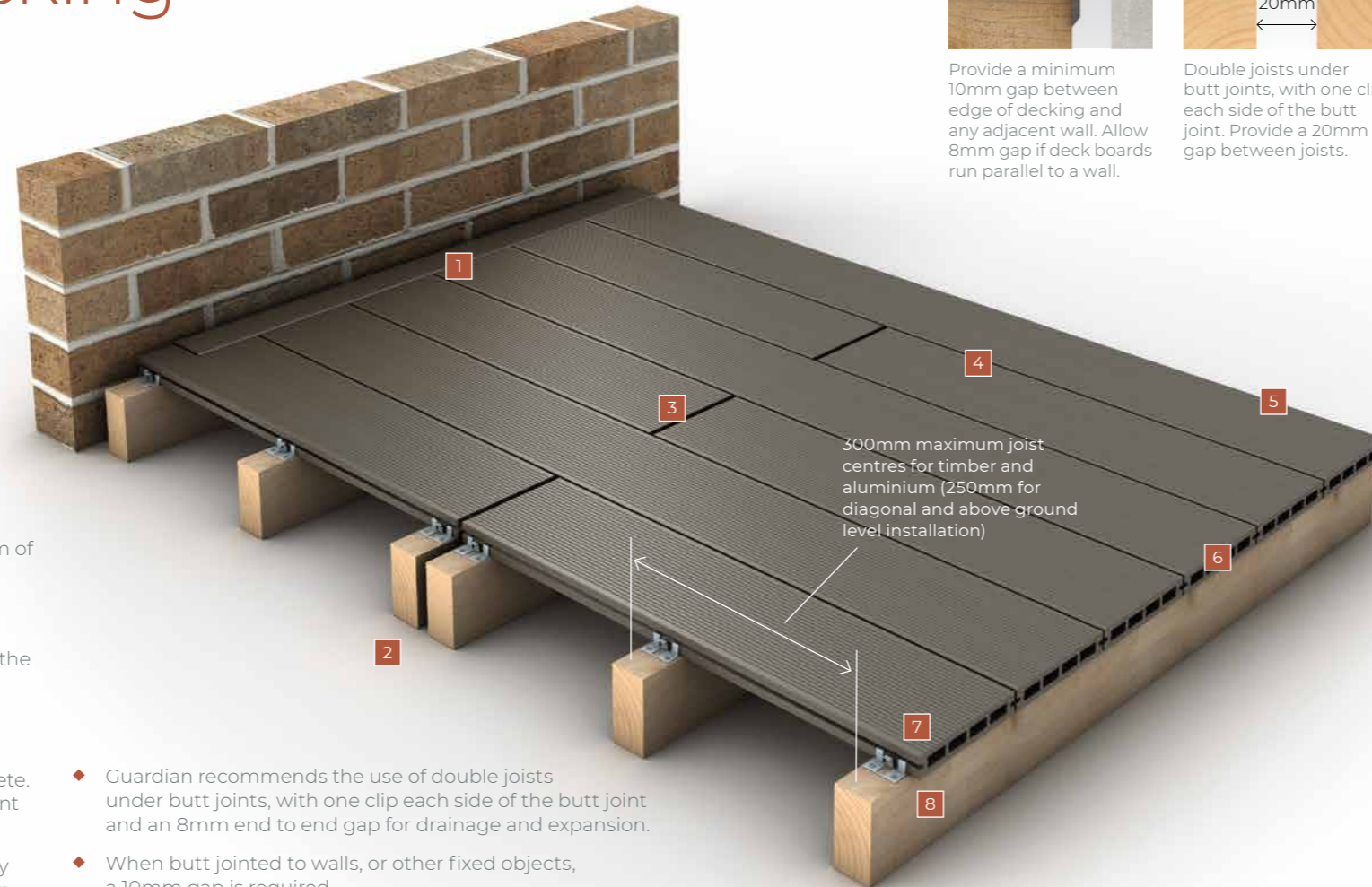
- ◆ Allow Composite Decking to acclimatise for a minimum of 3 days, raised 100mm off the ground ensuring that it is kept flat and dry.
- ◆ Composite Decking recommends that installation conditions are stable and flat to avoid the possibility of the decking surface deforming.

Preparing the area

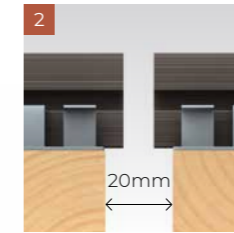
- ◆ Joists must be laid on a solid flat surface such as concrete. Grass, uneven paving slabs or sand will cause movement and damage the installation.
- ◆ Guardian recommends that you do not fix joists directly to foundations and that joist centres are no greater than 300mm, except when fitting Composite Decking boards on the diagonal where we recommend that joist centres are 250mm and you work from the centre out. If used above ground level we recommend 250mm centres.
- ◆ When installing above ground level, consult with an engineer.
- ◆ Guardian recommends that a drainage channel be included in the foundations to allow for the free flow of excess water. Drainage channels should be every 600–800mm.

Installation

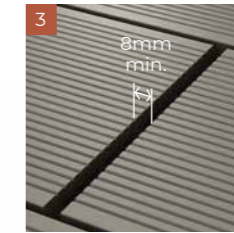
- ◆ A drainage slope along the length of the board of 0.5% or 5mm per metre should be allowed to ensure sufficient water run-off.
- ◆ Composite Decking boards must have a 6mm gap between each board, and must be fitted using Composite Decking electrophoretic coated grab deck clips and stainless steel screws. A minimum of 12 clips at 300mm centres per 3.6m length is recommended.
- ◆ Composite Decking stainless steel starter clips are recommended for securing the first line and the last line of decking boards with a minimum of 12 clips at 300mm centres per 3.6m length.



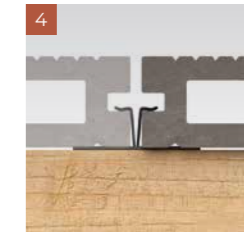
Provide a minimum 10mm gap between edge of decking and any adjacent wall. Allow 8mm gap if deck boards run parallel to a wall.



Double joists under butt joints, with one clip each side of the butt joint. Provide a 20mm gap between joists.



Minimum 8mm end to end gap between butt jointed boards. This gap is important for drainage and to avoid expansion caused by long term immersion.



DuraDek stainless steel fixing clips provide a secure fit and with the recommended 6mm spacing of boards.



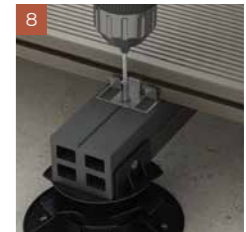
DuraDek stainless steel starter clip fixed using 3mm x 25mm stainless steel screws.



10mm maximum board end overhang from joists.



DuraDek stainless steel fixing clip fixed using 3mm x 25mm stainless steel screws.



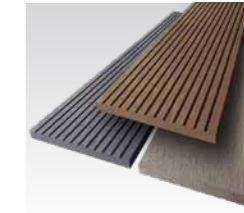
Alternative to joists: DuraDek Keel fixed to height adjustable pedestals using 3mm x 25mm stainless steel screws.

- ◆ Guardian recommends the use of double joists under butt joints, with one clip each side of the butt joint and an 8mm end to end gap for drainage and expansion.
- ◆ When butt jointed to walls, or other fixed objects, a 10mm gap is required.
- ◆ Composite Decking boards should be 50mm off the ground.
- ◆ Guardian recommends the use of pedestals to allow the free circulation of air around the installation.
- ◆ Composite Decking boards must be supported along their length. The ends of boards must be supported and not have an overhang of more than 10mm.
- ◆ When using pressure treated timber joists, Guardian recommends that they are a minimum of 30mm off the ground to allow air ventilation and water flow.
- ◆ Composite Decking Keel must be raised a minimum of 25mm above a solid base.
- ◆ Guardian does not recommend the use of Composite Decking where the space is walled in on all four sides.
- ◆ To ensure correct ventilation, Guardian recommends deck boards are raised above the base with a minimum space of 100mm to allow airflow under the deck to prevent build up of moisture.
- ◆ Recommended pedestal spacing is every 400mm (or 10 per 3.6m length) along 61x41mm composite joists and every 450mm (8 per 3.6m length) when using 60x40mm treated timber joists. Pedestals adjust from 30mm to 60mm.
- ◆ Post and deck rails should be fixed directly through the deck to the substructure, allowing for an expansion of 10mm for seasonal movement.

Accessories



Colour matched Edging Trims for Estándar and Dueto - 40mm x 40mm



Colour matched Fascia Trims for Estándar and Dueto - 130x10mm x 3.6m



Composite Keels - 40x30mm x 3.6m and 61x41mm x 3.6m



Stainless steel Fixing Clips



Pack of 30 stainless steel Starter / End Clips



Stainless steel deck screws



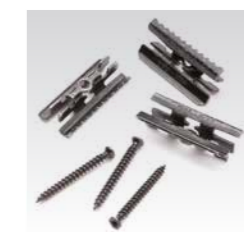
Height adjustable pedestals - 30mm to 60mm



1m² pack of 6 Movestop and 30 polypropylene Deck Clips, 36 40mm Torx Head wood screws and T15 bit



2m² pack of 34 stainless steel Fixing Clips, 16 Grab Deck Clips, 50 40mm Torx head wood screws and T15 bit



2.5m² pack 50 Electrophoretic Coated Grab Deck Clips with 40mm Torx head wood screws and T15 bit

Composite Railing System

For looks that impress, and performance that endures, the Composite Railing System is the durable alternative to traditional timber balustrading.

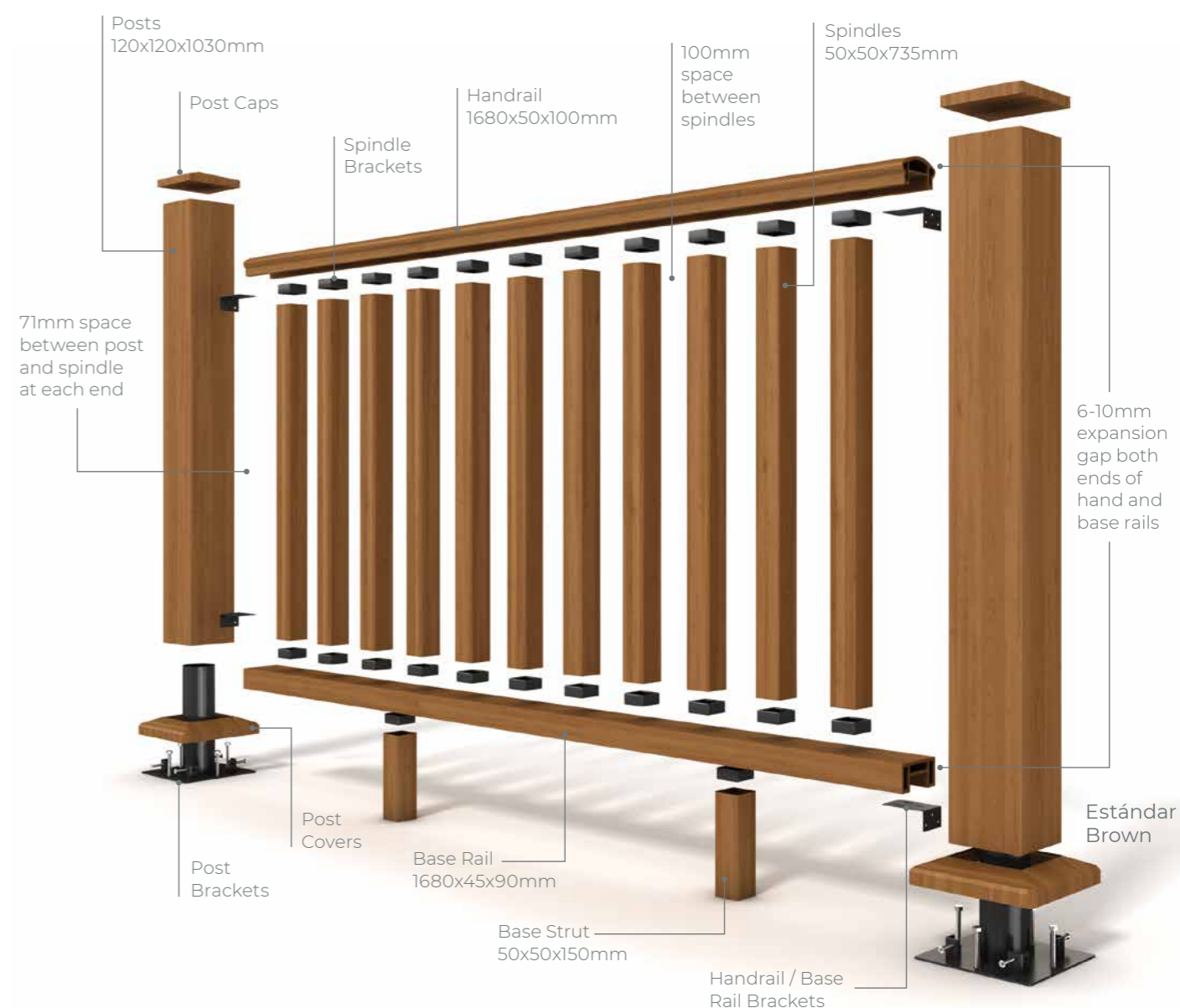
Complete the look of your decking with our Composite Railing system to complete the outdoor living space, adding both beauty and safety to your outdoor space.



- ◆ Better. Does not rot, unlike timber balustrading, weather resistant and easy to clean.
- ◆ Faster. Quick and easy to install.
- ◆ Safer. Durable, split and splinter-free surface.
- ◆ Flat, 'sanded' effect finish available in Estándar Charcoal or Estándar Brown.
- ◆ Low maintenance.
- ◆ Hidden fixing system.
- ◆ Environmentally friendly.

Estándar Charcoal

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Installation

- ◆ Fit the post brackets to the sub-base (concrete or joists).
- ◆ Fit the posts to the post brackets, leaving a 6-10mm gap for expansion around the post.
- ◆ Fit the post covers.
- ◆ Fit 4 L-shaped brackets and position 2 struts equally spaced along base rail (L-shaped brackets are fitted with the long angle fixed to the rails).
- ◆ Fit the base rail with 2 spindle mounts in position below the rail to accommodate the base struts.
- ◆ Fit 11 equally spaced spindle base rail mounts to the base rail.
- ◆ Fit the top hand rail with 11 corresponding equally spaced rail mounts then fit to the posts.
- ◆ When fitting both the hand and base rails, ensure a 6mm expansion gap between the rail ends and the posts.
- ◆ Finally, fit the post caps.



A 1.8 metre balustrade module consists of a single post assembly, top and bottom rails and 11 spindles, plus all struts brackets and fixings. Therefore an additional post assembly would normally be required to complete a run of balustrade.



Roofing & Cladding Solutions

- ◆ Guardian Roof Slate
- ◆ Guardian Esprit Roof Shingle
- ◆ Soffits & Trims
- ◆ Exterior Cladding
- ◆ Gutter Brush

Window Solutions

- ◆ Window Boards & Trims

Interior Solutions

- ◆ Decorative Wall & Ceiling Cladding
- ◆ Accessories & Trims

Flooring Solutions

- ◆ CleverClick Luxury Vinyl Flooring
- ◆ Tiles & Timber
- ◆ Accessories & Trims
- ◆ RubberLok Utility Mats

Landscape Solutions

- ◆ Composite Decking & Railing
- ◆ RubberLok Safety Tiles
- ◆ SafetyGrass Rubber Matting
- ◆ RubberLok Utility Mats

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We recommend viewing actual product samples prior to purchase. A sample product should be checked before installation as errors will not be considered once a project has commenced.

Guardian Building Products

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September 2022

**Guardian**
Building Products