

DuraDek Installation

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

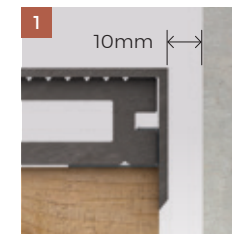
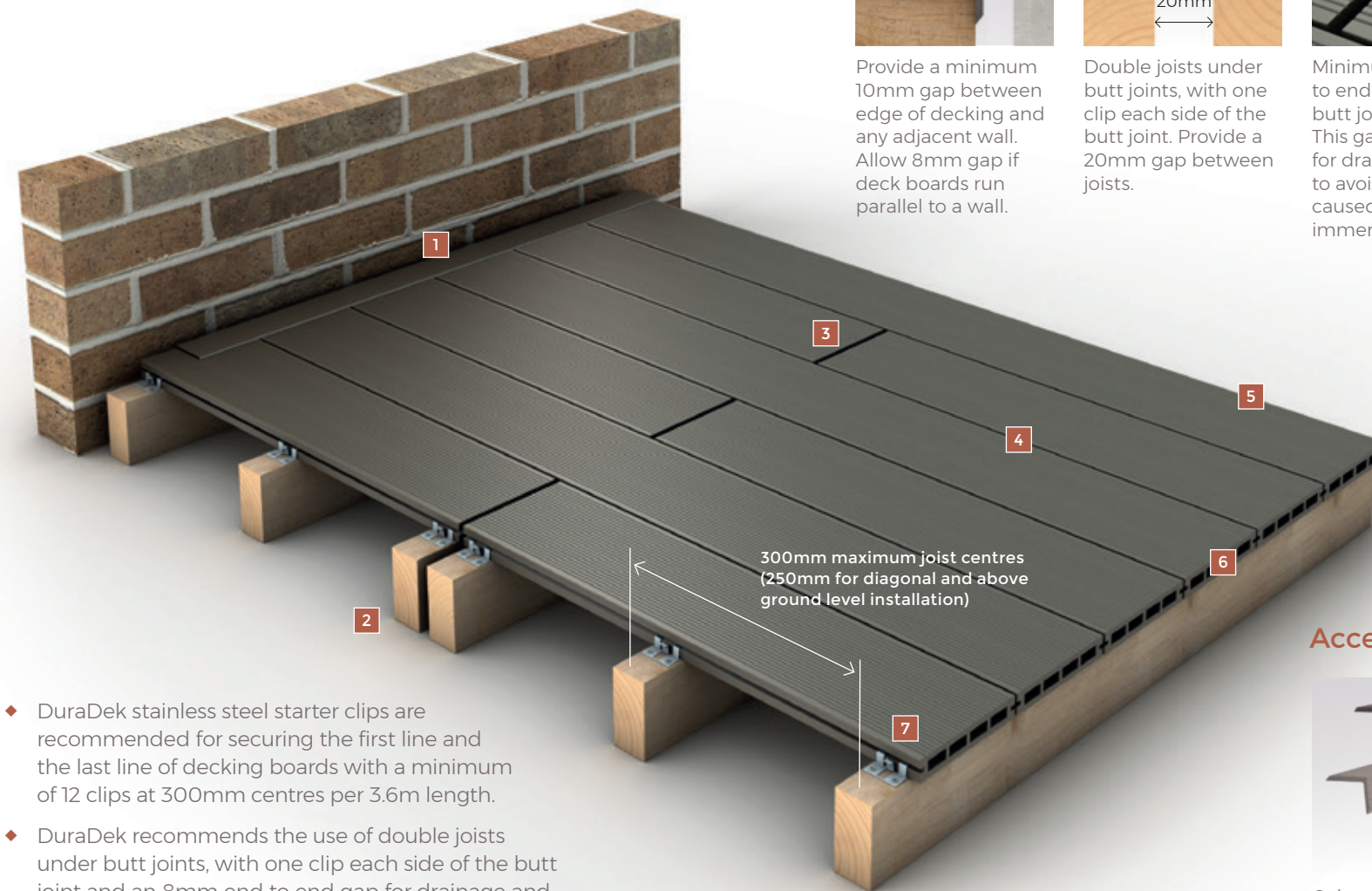
Preparing the area

- ◆ 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.
- ◆ DuraDek recommends that you do not fix joists directly to foundations and that joist centres are no greater than 300mm, except when fitting DuraDek 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.
- ◆ DuraDek 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

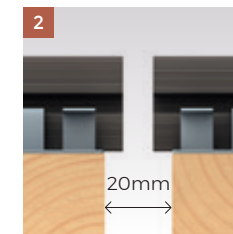
Installation

- ◆ 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.
- ◆ DuraDek boards must have a 6mm gap between each board, and must be fitted using DuraDek electrophoretic coated grab deck clips and stainless steel screws. A minimum of 12 clips at 300mm centres per 3.6m length is recommended.

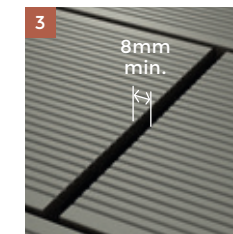
- ◆ DuraDek stainless steel starter clips are recommended for securing the first line and the last line of decking boards with a minimum of 12 clips at 300mm centres per 3.6m length.
- ◆ DuraDek recommends the use of double joists under butt joints, with one clip each side of the butt joint and an 8mm end to end gap for drainage and expansion.
- ◆ When butt jointed to walls, or other fixed objects, a 10mm gap is required.
- ◆ DuraDek boards should be 50mm off the ground.
- ◆ DuraDek recommend the use of pedestals to allow the free circulation of air around the installation.
- ◆ DuraDek 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, DuraDek recommends that they are a minimum of 30mm off the ground to allow air ventilation and water flow.
- ◆ DuraDek Keel must be raised a minimum of 25mm above a solid base.
- ◆ DuraDek does not recommend the use of composite deck where the space is walled in on all four sides.
- ◆ To ensure correct ventilation, DuraDek 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.



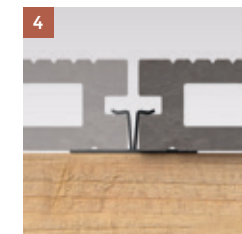
Provide a minimum 10mm gap between edge of decking and any adjacent wall. Allow 8mm gap if deck boards run parallel to a wall.



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



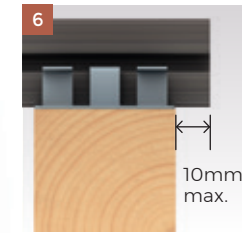
Minimum 8mm end to end gap between butt jointed boards. This gap is important for drainage and to avoid expansion caused by long term immersion.



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.

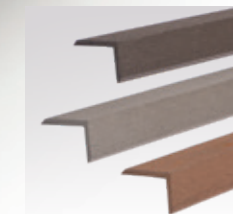


10mm maximum board end overhang from joists.

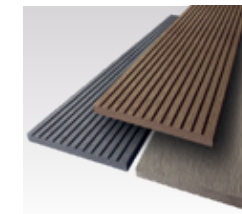


DuraDek stainless steel fixing clip fixed using 3mm x 25mm stainless steel screws.

Accessories



Colour matched Edging Trims - 40mm x 40mm



Colour matched Fascia Trims - 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



Pack of 6 Movestop and 30 Polypropylene Deck Clips with 36 4x40mm Torx Head Wood Screws



2.5m² Pack 50 Electrophoretic Coated Grab Deck Clips with 4x40mm Torx Head Wood Screws



Height Adjustable Pedestals - 30mm to 60mm

- ◆ 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.
- ◆ DuraDek Keel must be supported at a maximum of 400mm centres along its length and 300mm apart.
- ◆ DuraDek Keel should have a 20mm gap when butt jointing end to end.
- ◆ DuraDek Keel is non-structural and therefore must only be used on solid surfaces. A drainage slope of 0.5% or 5mm per metre is required to ensure sufficient water run-off.