

ACCESSORIES



Decking Board
150x24mm



Aluminium Floor
Joist 50x22mm



Drywall Screws
(not included)



Starter Decking Clip



Mounting Clip



Rubber Pad
100x100x5mm

TOOLS



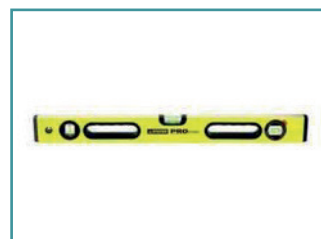
Mitre Saw



Hand Saw



Tape Measure
and Pencil



Spirit Level



Electric Screwdriver



Drill



Drill Bit



Screwdriver

INSTALLATION INSTRUCTIONS

General Instructions

Due to the many possible options for the shapes and sizes of the terrace cover, every single case is not considered. Whether there are specific configurations, objects or non-standard design solutions, detailed installation options are always possible to be developed for you. According to technical progress, this manual guideline can be changed at any time. Its latest instruction updates are always available on the Luxury Decking website (luxurydecking.co.uk). Please follow the requirements of the manual, otherwise the warranty will be void.

Installation

Luxury Decking and supporting joists can be easily sawed, milled and drilled with all usual wood processing tools. It is better not to lay the coating at 5°C below zero, otherwise you have to be very careful while laying Luxury Decking because of the danger caused by thin cracks appearance in supporting joist, which can be seen visible after some time of weather elements.

Colour Change

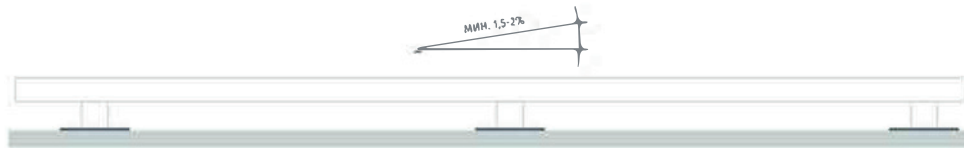
Luxury Decking and joist are dyed over the entire surface and being faded naturally over time without losing the basic colour tone. It is a wood based product, so colour change should be expected over time, due to ultraviolet light and atmospheric action. This can occur primarily in the first days and months (depending on weather conditions) and it does not indicate any defect. Slight differences in color of the Luxury Decking decking of one batch is the norm and it emphasizes the natural texture of the wood.

Cleaning and Care

All exterior building materials require cleaning. Periodic cleaning of Luxury Decking coatings will provide a great exterior terrace and will maintain the beauty of your decking. Learn how to clean and care for your composite decking by reading the Luxury Decking Care and Cleaning Guide.

BASE PREPARATION

It is necessary to properly prepare a base that will be able to bear the load. In order to avoid the accumulation of water, you should pay attention to the base slope that should be at least 1.5-2% in the direction from the walls, as well as in the lengthwise direction of the terrace coating; provide drain if it is necessary.

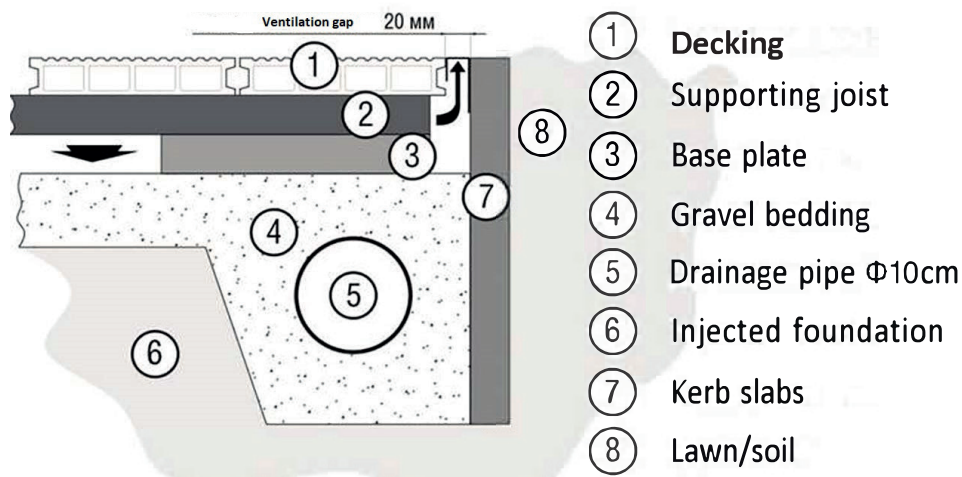


Concrete Base (floated concrete slab)

The supporting joists are laid on concrete slabs or ground. Rubber pads are available 100mm x 10mm x 5mm if there is the straight and solid base, so that water and moisture appearing from the bottom can freely leak out.

Ventilation

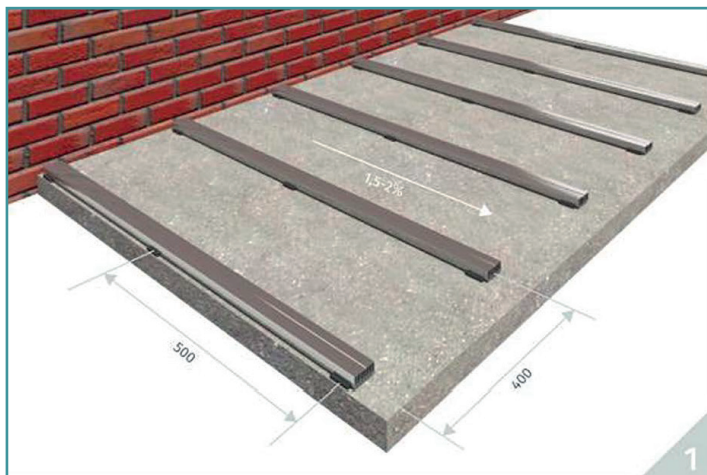
The entire decking should be well ventilated. For unimpeded air circulation, the voids between the elements of the substructure should not be filled with anything. While laying decking at ground level, it is necessary to provide for a differentiation curb or something else for grass or soil. Be sure to prevent the direct junction of the decking with the lawn or soil. An open spot around the perimeter of at least 20 mm is required for adequate ventilation.



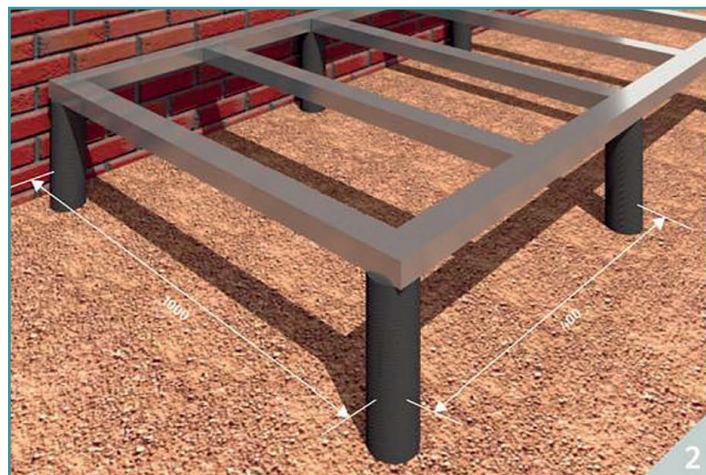
SUBSTRUCTURE INSTALLATION

Supporting joists installation is carried out:

- On a solid and straight overlay with a 1,5-2% slope (Fig. 1)
- On a metal grating with a 60x40 section and a distance between the 1000mm molding (Fig. 2).
- In this case, with a beam pitch of less than 400 mm for a hollow decking and less than 360 mm for a solid molding, the decking can be mounted directly on the grating.



Aluminium Floor Joist 40x40mm

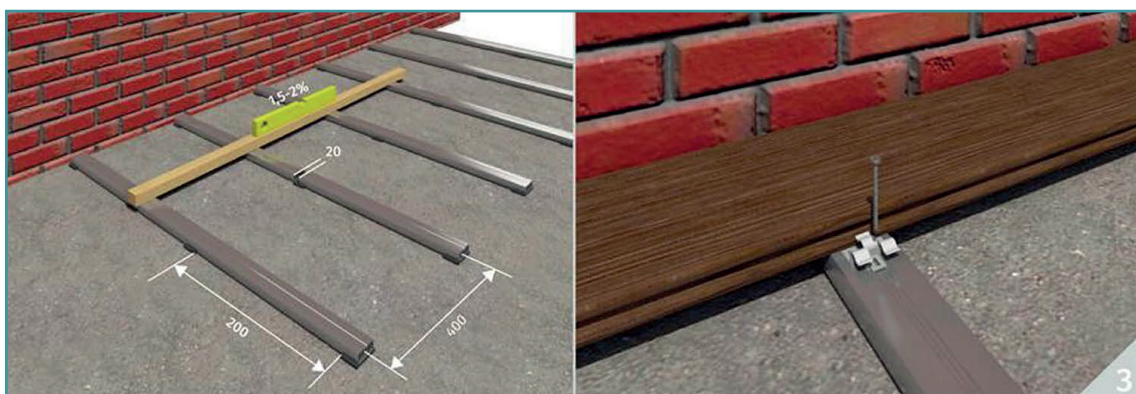


Metal Grating 40x60mm

Supporting Floor Joists Installation

Supporting floor joists should have point support (concrete slabs, rubber pads, etc.). Their direct laying on the ground, gravel bedding, concrete base, etc. is unacceptable. The junctions of the support joists should be installed with a minimum 20mm gap, if the length of the joist is 4m.

To ensure free expansion in the flat area, the supporting floor joists must be mounted using brackets made of perforated tape in order to maintain the possibility of horizontal movement (Fig. 3).

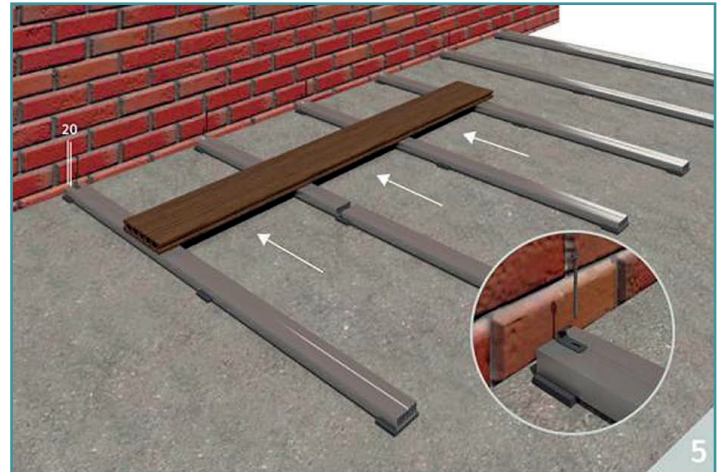


DECKING INSTALLATION

The decking must be fastened with clips to each supporting joist. If the length of the decking is short, it must be fastened at 3 points (on 3 supporting floor joist).

Installation Start

Fasten the starter decking clip to the supporting floor joist using drywall screws, without predrilling. You should insert the first board into it, providing a straight gap, between the terrace cover and a fixed fence. When threading into, screws should not be tightened too tightly, otherwise the joist can crack.



Further Installation

You should fasten the transitional decking clip, achieving the required joint weld of 3mm. Then chock each subsequent Luxury Decking, providing the necessary gap. Insert the transitional decking clip tightly under the board, lifting it, before fastening by drywall screws.

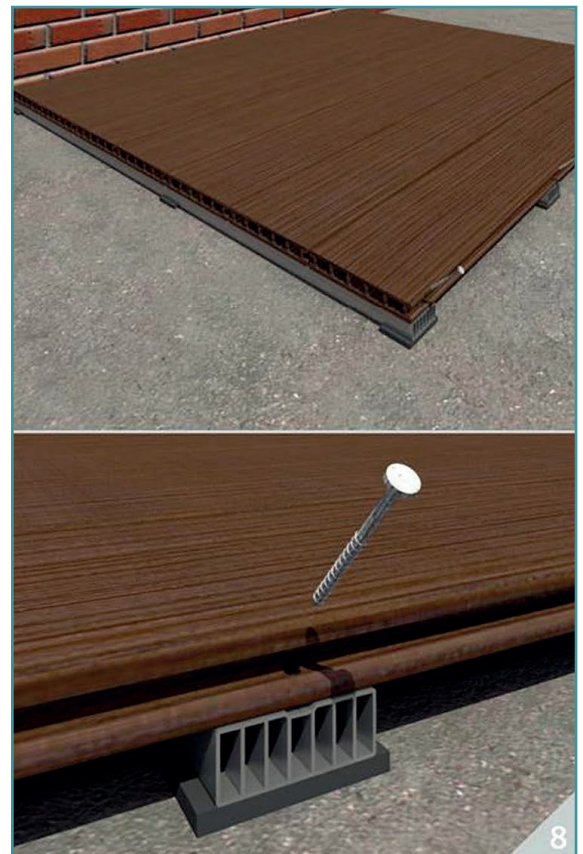
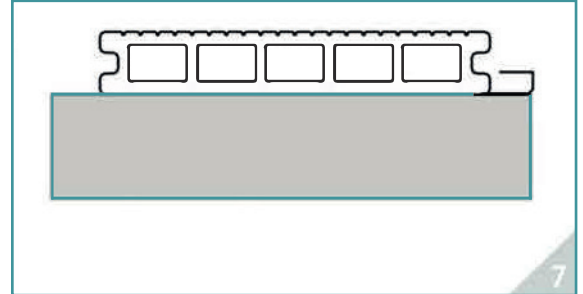


DECKING INSTALLATION FINISH

Decking Installation Finish

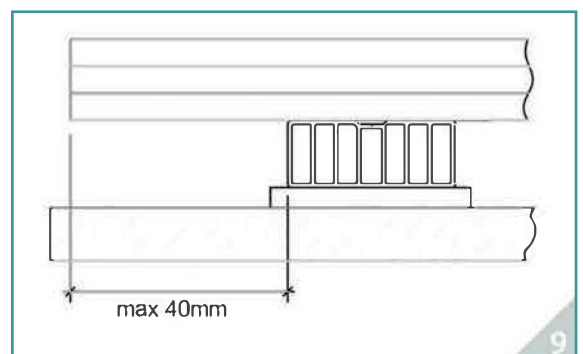
After laying the last decking on the joists, insert the last starting clip under the decking at 1mm distance from the edge of the board. While removing the decking, clip has to be chocked by a drywall screw, lay the board, then tap the clip into full contact with the decking.

If the last decking board needs to be cut according to the size of the covering, chock it directly with a self-tapping screw. To do so, first of all, you need to drill a hole in the board in diameter more than the diameter of a drywall screw, but it should be less than its head.



Molding Protusion

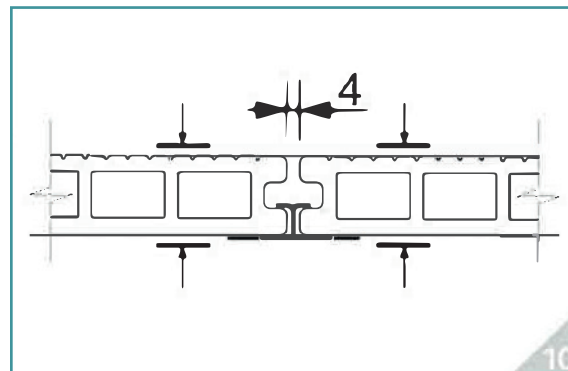
The side overhang of the deck board should be less than 40mm. The fixing brackets should be in such position that after the Luxury Decking installation, the outermost supporting joists can move freely in all directions.



EXPANSION JOINTS

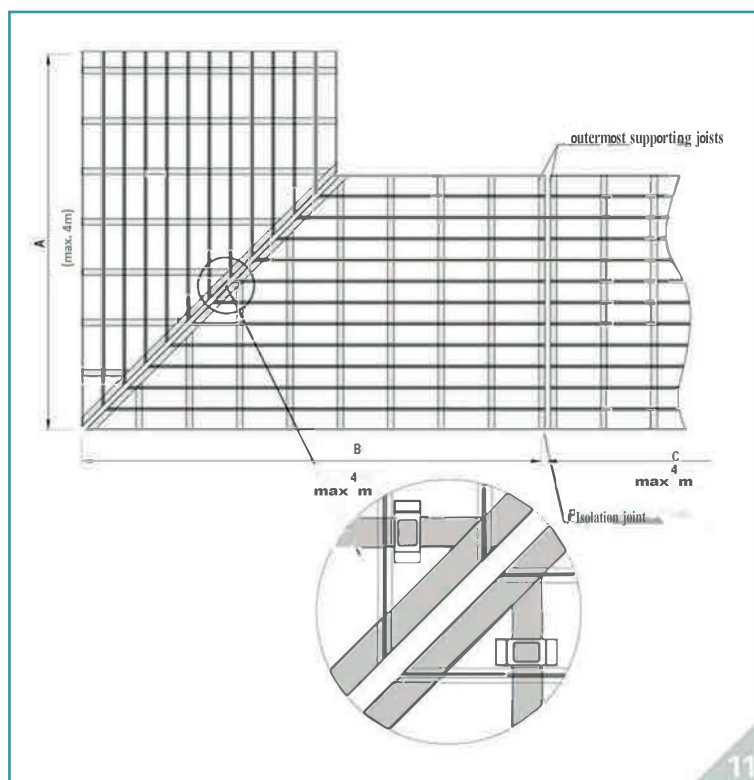
Expansion

Temperature and humidity drop causes expansion or shrinkage of Luxury Decking in length, width and thickness. Taking this into account, during installation, appropriate expansion joints of 2mm should be provided from all sides. If it is not observed, there can emerge difficulties that lead to casting or wooden bulging.



The size of the expansion joints for all fixed fences (walls, buildings, garden walls, curbs, supports, railings, downpipes, etc.) is at least 20mm. If it is necessary to close joints at the edge, a rustproof steel moulding for adjoining can be used. Decking with a total length of more than 6m should be divided into sections of covering, which would include a board length less than 4m with expansion joint 2mm.

While mitring at the junction, an expansion joint has to be minimum 2mm. The isolation joint should be appeared at the end of the decking and opposite the miter. Mitring should be done in such way that the ends of each section board of the floor are adjoined to a separate supporting joist (parallel to the expansion joint in the miter). The fixing of the supporting joists in the area of the gap in the miter is carried out at the corresponding ends of the supporting joists.



INSTALLATION EXAMPLES

