



## Nüdek INSTALLATION Guide

***Nüdek decking shall be installed according to the following specifications and simple guidelines to avoid deck failure and to ensure your warranty to be valid.***

Nüdek Wood Composite Decking shall be installed on either Galvanized Steel, or Steel, treated & where required, Nüdek Joists or aluminium profiles, which is ideal for installations on slabs, bricks or tiles or vertical cladding applications.

### **Design & Layout:**

Take a moment on the design of your deck. Consider some of the following:

- Anchor points
- Levels (which might determine what substrate material should be used)
- Cutting list.

Nüdek boards are 5.8m long, so to avoid unnecessary waste, try to size up to increments that is most suited to the area for instance, rather try to size to 2.9m (half a board) long as to 3m. This can result in quite a saving!

Nüdek composite decking requires a minimum of 30mm high elevation resulting in enough airspace below deck to allow for ventilation.

Also the deck should be slightly sloped (2mm per 300mm) away from the house to allow for water runoff.

### **Joist spacing:**

No 1: **The substrate MUST be perfectly level** for your warranty to be in effect. If not, your decking boards will split and fail. Reason being on an uneven joist level there is too much pressure on the clips from one side to the other and the result is that the decking boards split.

No 2: Nüdek has a sufficient load rating to span on around **350mm – 370mm on center for joist supports** when the 135mm voided boards are used. If a diagonal board layout is desired, we recommend 300mm cc joist spacing. ***Never more than 400mm center to center, this can result in installation failure & the warranty will be null & void.***

Then, important to space the primary bearers to fit in design layout's cut lengths and total widths measurement.

For example:

1. On a 2.9m length, one board cut in half, spacing of the joists will be 362mm center to center.
2. On a 1.933m length, one board cut in 3, spacing of the joist will be 386mm center to center.
3. Total widths on the 135mm boards are calculated multiplying 140mm (gap from clips included) by number of boards needed.  
Example: 10 board widths will result in 1.4m coverage  
(135 mm x 10 = 1.4m less last gap of 5mm = 1.395)

When using Nùdek Composite Joist on a slab or brick surface, Fischer plugs work well for fastening the joists. Predrill Nùdek joists at 800mm intervals before inserting the Fischer plugs and fastening to the subfloor.

### **Grooved system fastening:**

Nùdek decking boards are designed to use the hidden clip & screw fastener system. It is a great way to **conceal** screws and wood joists. It is also a great way to ensure proper spacing between decking boards.

Stainless Steel, hot dipped galvanized or ceramic coated screws will provide the longest service life. Stainless Steel starter clips are ideal for fastening the first & the last board.

### **Decking board fastening:**

Nùdek decking has a grooved profile that allows decking to be installed with the hidden fasteners as shown in the picture.

1. Place first board of Nùdek decking at the edge perpendicular to the wood joist and secure with starter clip.
2. Place the 2<sup>nd</sup> deck board with a slight gap between boards
3. Slide the hidden fasteners T-Clip between the two boards. Place one at each joist location.
4. After all clips are spaced, fasten on the joist.
5. Continue placing deck boards & fasteners until the end. Clips are designed to create even spacing between decking boards, so simply slide decking tight to hidden fasteners.
6. Place final board in position and secure with starter clip.

### **Most Important:**

***Allow proper spacing for expansion & contraction of decking boards, lengthwise.***

A minimum of 2mm per meter is suggested. End covers can be used to conceal the minor irregular expansion & contraction of individual boards should it be deemed necessary. ***Never box the boards in without expansion gaps between walls.***

### **Note:**

**Nùdek will not be held responsible for those who do not follow this installation guide. All composites expand & contract. Our clips are designed to prevent buckling that occurs with the use of too many screws. Boards need to be able to move slightly, lengthwise.**