



LINAX DECKING

I N S T A L L A T I O N G U I D E

FACTS ABOUT OUR DECKING

Installing Linax decking means you will enjoy beautiful wooden decking with a genuine wood feel at an affordable price! The raw material we use is a high-quality pine from Norrland.

The product requires little maintenance with the initial care being required in 5–6 years. We guarantee a long service life for your decking and therefore provide up to 50 years' rot protection warranty as well as a 12 year product warranty.

The decking is ready for complete installation and should be installed at 3–4 mm intervals to allow space for some swelling. It is a good idea to use an installation tool for concealed attachment to create an extra attractive wooden deck.

Decking in Linax Brown and Linax Grey has good colour fastness, and if you choose decking in Linax Natural it will weather to grey over time.

Any cuts must be coated with our wood oil in order for the Linax warranty to apply.

INSTALLATION/ INSTRUCTIONS

Linax is an outstanding product for outdoor use providing you fit it correctly. Follow the recommendations we specify in Linax's product warranty, as well as the information below.

Linax is installed just like any other timber product. It must be installed in a professional manner and in such a way that prevents moisture penetration. Construction must comply with the guidelines and instructions set out in HUS AMA.

It is vital that all cut surfaces have an application of Linax oil. This is to ensure good protection of the cut surfaces to counteract rot and moisture, which is particularly important on terrace floors. It is also important that screws that are inserted into the timber are applied with a thin layer of oil.

All screws must be stainless steel or acid-proof in harsh climates.

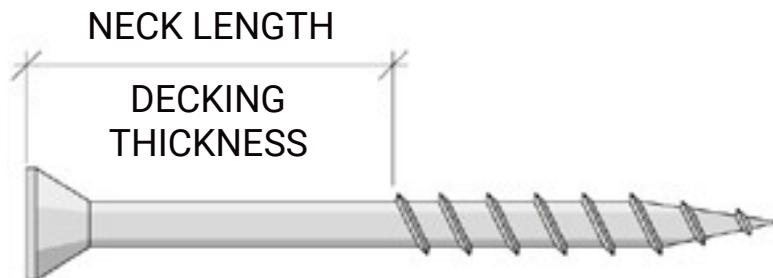
See the instructions for operation, maintenance and warranties at www.bitus.se

ATTACHMENT AND SPACING TO EDGE

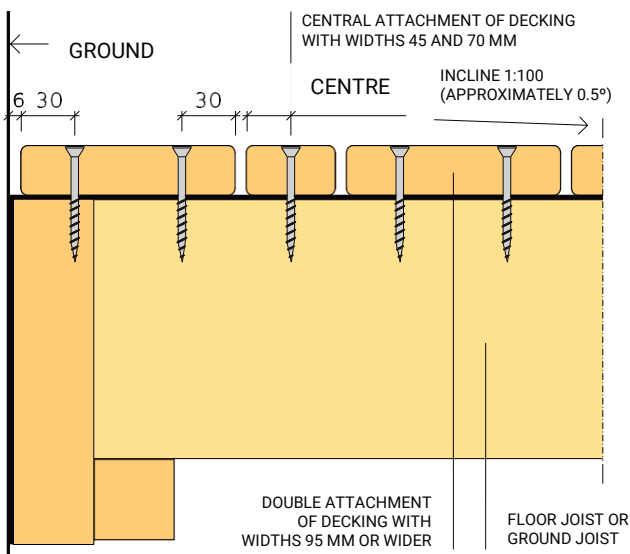
The thickness of the decking depends on the design of the underlying structure. Make sure you plan the installation of the decking and select lengths that minimise the number of joints.

Thickness of decking (mm)	Centre spacing of floor joist (mm)	Decking screw length (mm)	Collar length decking screw (mm)
22	≤ 400	45	22
28	≤ 600	55	28
34	≤ 800	75	34

Decking boards should be installed using stainless steel decking screws grade A2 or grade A4. Stainless steel decking screws grade A4 are recommended for pools, jetties and coastal installations. Select decking screws with an outer diameter of at least 4.2 mm and a decking screw length as shown in Table 1. Make sure that the length of the decking screw's unthreaded part corresponds to the thickness of the selected decking board.



Use decking screws in the first instance. If the decking is installed too tightly, there will be a risk that moisture-related movements in the decking will result in high stresses that will cause the attachments to be sheared off. A spacing between the decking boards that is too small could also result in standing water due to a lack of drainage over the wet part of the year. It is therefore important to maintain the correct spacing between decking boards. Decking boards must never be installed without a gap! When installing Linax decking, we recommend a spacing of 3–4 mm when installing.

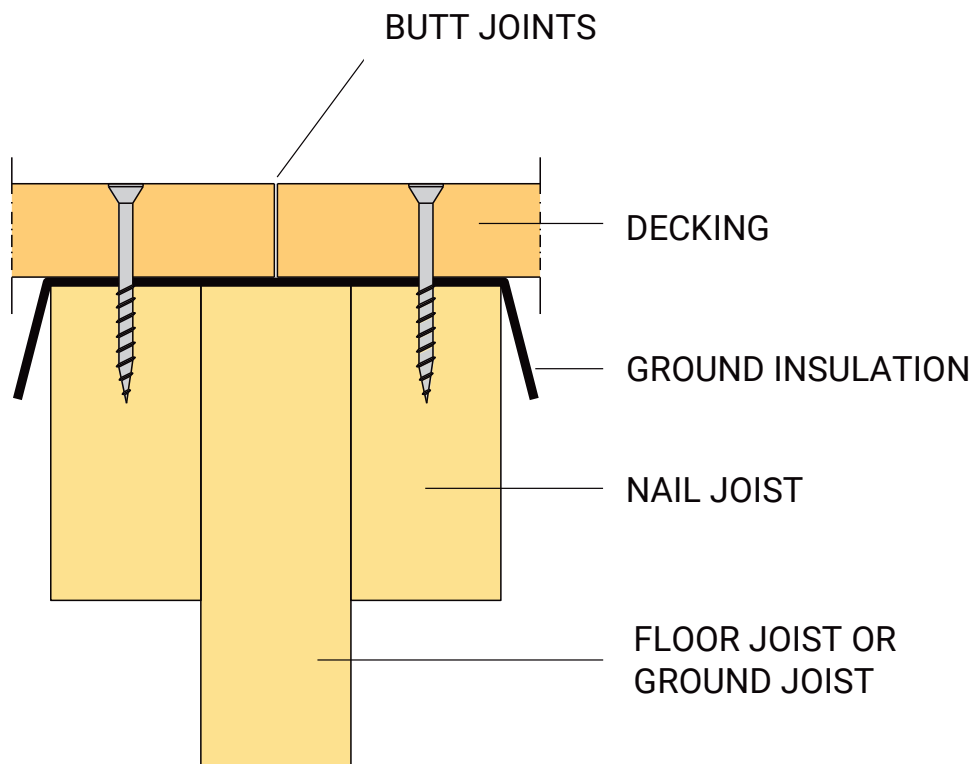


Decking boards with a width of 95 mm or wider must have double attachments and the spacing between the attachment and the edge must be 30 mm. Decking boards with widths of 45 and 70 mm must have centric attachment.

Decking screws are fitted perpendicular to the top of the decking board in such a manner that the screw heads are flush with the top of the decking board, but not deeper. This is to avoid any moisture penetration and future discolouration.

Any protruding screw heads are subsequently screwed in manually until they are flush with the wood surface. Sometimes after a period of time, individual decking screws may need to be retightened or knocked in once the decking has reached its equilibrium moisture ratio.

BUTT JOINTS



Plan the installation of the decking and select lengths that minimise the number of joints. Joints cannot be avoided across larger areas. Joints must be butted over the supports.

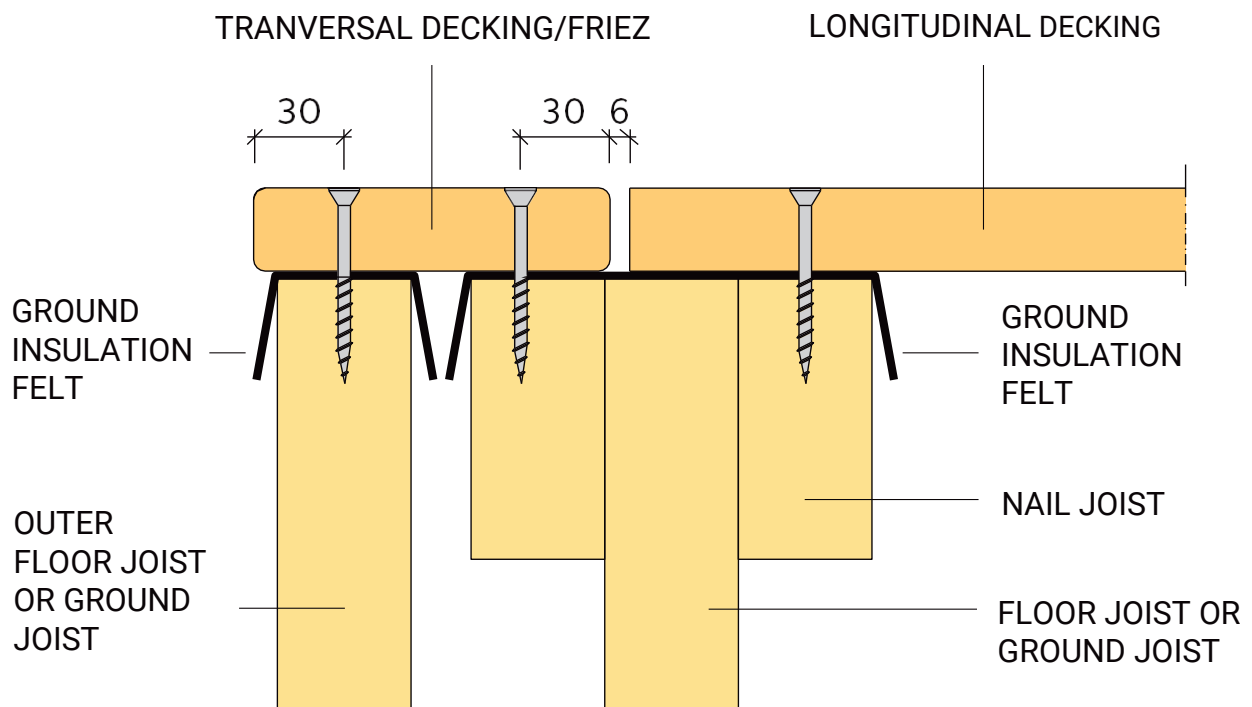
Where joints occur, levelling pieces are fitted using 45 × 95 nail joists on each side of the floor joist or ground joist to achieve optimal attachment. Holes are pre-drilled for decking screws and annular ring shank nails are used in the ends of the decking board to counteract any crack formation and unsightly joints. Select a wood drill diameter of 3.0 – 3.5 mm for decking screws.

End grained surfaces at butt joints and ends must be treated with Linax oil when installing in order to counteract moisture movement, deformation, crack formation and rotting.

Unavoidable joints in adjacent decking boards must be displaced at least 1,200 mm and they must be distributed evenly across the entire decking. Joints and connections must be fitted correctly.

Joint end boards must have a minimum length of 2 m.

MOISTURE PROTECTION



The top of the underlying structure should be protected against moisture by laying longitudinal strips of ground insulation felt, to ensure that the insulation felt runs past the top edges of the floor joists or ground joists by a few centimetres.

The ground insulation felt is folded down along the top edges to make it easier for water to run off. If you want to conceal end grained surfaces on the short sides of the timber decking with a transverse decking board, known as frieze board, extra support must be provided in the underlying structure, for example by levelling using 45 × 95 nail joists inside the outer floor joist or ground joist.

An expansion joint at least 6 mm wide must be fitted between the transverse decking/frieze board and longitudinal decking.

Transverse decking, known as friezes, is installed to conceal the end grained surfaces on the short sides of the timber decking. Extra support by levelling using nail joists inside the outer floor joist or ground joist. Decking boards must be fitted with 4 mm wide expansion joints to frieze boards.

Connections, joints and frieze boards are carefully fitted to produce smooth and attractive joints.

End grained surfaces must be treated with Linax oil when installing in order to counteract moisture movement, deformation, crack formation and rotting.

Joint gaps between adjacent decking boards on a finished decking surface must not exceed 3 mm.