



BAŞARAN
ORMAN ÜRÜNLERİ

DECK INSTALLATION GUIDE

Ground Preparation · Substructure · Installation · Maintenance

ABOUT THIS GUIDE

This document outlines the technical steps to follow for wooden deck installations, from ground preparation through to maintenance.

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Ground for Installation

- The surface to be installed on must be dry and hard.
- The surface must be flat and screeded (properly leveled).
- The necessary slope must be given to the surface so that water does not pool and can drain in the desired direction.
- If the surface is concrete, it is recommended to apply a brush-applied waterproofing coat to prevent the concrete from absorbing water.
- If there is waterproofing on the surface, the necessary precautions must be taken to avoid puncturing this waterproofing. Substructure (Frame): The substructure forms the foundation of the deck installation. Therefore, utmost care must be given to material selection.

Substructure (Frame)

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- It is recommended that the distance between the ground and the deck be a minimum of 40mm. This gap provides the air circulation required.
- The frames must be laid so that they do not come into contact with the soil.
- Correct deck installation begins with the correct frame selection. Therefore, having the deck and substructure material at the same moisture level will ensure their working behavior occurs at the same rate.

The frames must be laid parallel to the direction of water flow.

- If a construction material other than wood (aluminum, steel, galvanized iron, etc.) is used, since it will behave differently from wood, it is recommended to use a wooden frame again on top of this construction material
- It must be ensured that the substructure is at the same level.
- Frames must be fixed to the ground with high-torque stainless steel screws, or by countersinking and using stainless steel screws as well.
- If there is waterproofing on the ground, the frames must be bonded to the ground with epoxy or polyurethane adhesive so as not to damage this waterproofing.

Deck Installation

- Before starting the installation, it is recommended that all 6 sides of the deck boards be oiled with an oil-based protective coating.

Benefits of Oiling:

- Increases the wood's resistance to hairline cracks that form on the surface.
 - Delays color fading caused by UV rays.
 - Protects against staining from liquids that may spill on the surface (cola, tea, etc.).
 - Oiling the ends of the deck boards as well prevents end-checking (cracking) that may occur over time.
 - Prevents staining that raindrops may cause on the surface.
- Care must be taken to also oil the cut surfaces of deck boards that were oiled on all 6 sides.
 - The gap used between deck boards must be a minimum of 3-3.5mm.
 - Where the wood meets a wall or any other surface, a gap of 1.5cm must be left at the ends and 1.5cm at the edges.
 - In clip-fastened deck installations, the edges of the first and last rows, where clips cannot be used, must be fixed by screwing from the top. These screws must be driven in 2cm from the finishing edge of the wood.
 - To prevent noise and movement, it is recommended to glue the points where the deck and frame meet.
 - After the deck installation is complete, a second or third coat of oil should also be applied to the wood's surface. The manufacturer's or distributor's specification should be followed when applying the protective coating.
 - The screws used in the deck installation must be stainless steel.

After Installation

- In clip-fastened deck installations, 2 additional coats of oil must be applied to the wood's surface after installation is complete. The surfaces to be coated must be dry; the application environment must not be below +5°C or above +30°C, and relative humidity must be below 80%. Coating (varnish, oil, etc.) must not be applied during the hours when sunlight reflects at its highest, most vertical angle, as the wood surface temperature reaches its maximum at that time. The manufacturer's or distributor's specification should be followed when applying the protective coating.
- If tables, chairs, etc. are to be used on the deck, care must be taken to ensure their legs are not sharp/pointed. If necessary, floor glides ('shoes') should be used on these legs to prevent them from scratching or breaking the wood.
- Deck installation is one of the last applications that should be carried out on a construction site. After the wooden deck boards are installed, cleaning equipment, wheelbarrows, etc. that could wear down the wood must not be passed over the deck.
- After the deck installation is complete, any protective material laid on its surface must be breathable, so as to prevent the deck boards from 'sweating' (trapping moisture).