



Bamboo Decking

Installation Manual

Maintenance Manual

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The main cause of fading of the color of bamboo decking outdoors is ultraviolet (UV) radiation. UV rays break down the lignin in bamboo fibers, a process known as photooxidation, resulting in a "silver gray" patina. Routine maintenance is carried out by classical cleaning of dirt with a broom and water. Special cleaning machines can be used for this. To preserve the original color shade, oiling maintenance is necessary, which provides excellent depth of protection by saturating the bamboo boards in depth. The durability of bamboo decking is due, among other things, to the high density of the material, but without regular oiling maintenance, the surface can become micro-cracked over time. Regular oiling acts as a barrier, reflecting UV radiation and preventing the "graying" effect. Ideal frequency for oiling maintenance: In general, for a new bamboo decking installation, the first oiling coat should be applied within 3 months of installation. After that, annual treatment is recommended. This frequency is influenced by the microclimatic factor. For example, outdoor bamboo decks in areas with high humidity may require more frequent checks to prevent mold growth. To ensure proper optical results, we recommend using OSMO brand decking oils. For the first oil coat after installation, we recommend Osmo Decking Oil with Pigment according to the color requirement (e.g. 013 Garapa Oil, 006 Bangkirai Oil, 014 Massaranduba Oil, etc.). For annual maintenance, we recommend first cleaning the decking well with water and adding Osmo WPC & Aluminium Cleaner 8021. After complete drying (approx. 48 hours), apply Osmo WPC & BPC Maintenance Oil (first year) and Decking Oil with Pigment (second year). Alternating maintenance oils will ensure a balanced optical appearance and prevent the bamboo surface from gradually darkening.

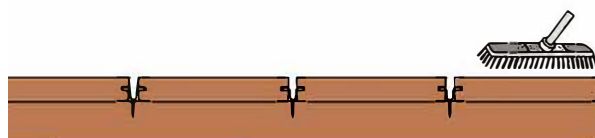
Choose the appropriate tools according to the scope of cleaning, for example:

- floor scrubber
- brush
- high-pressure cleaner



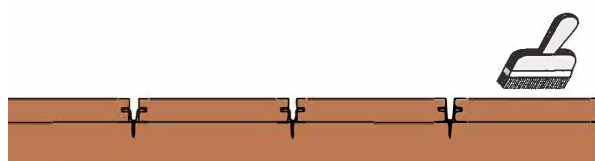
①

Clean and wash the terrace.
Let it dry naturally.



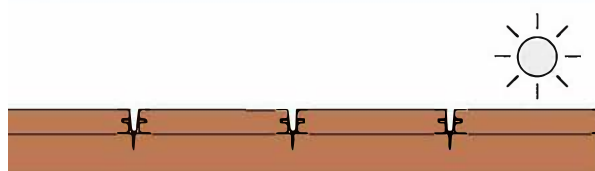
②

Apply a protective coating to outdoor terraces. We recommend OSMO Terrace Oil.



③

Protect the treated area until the coating dries naturally.



After installation

4 years after use

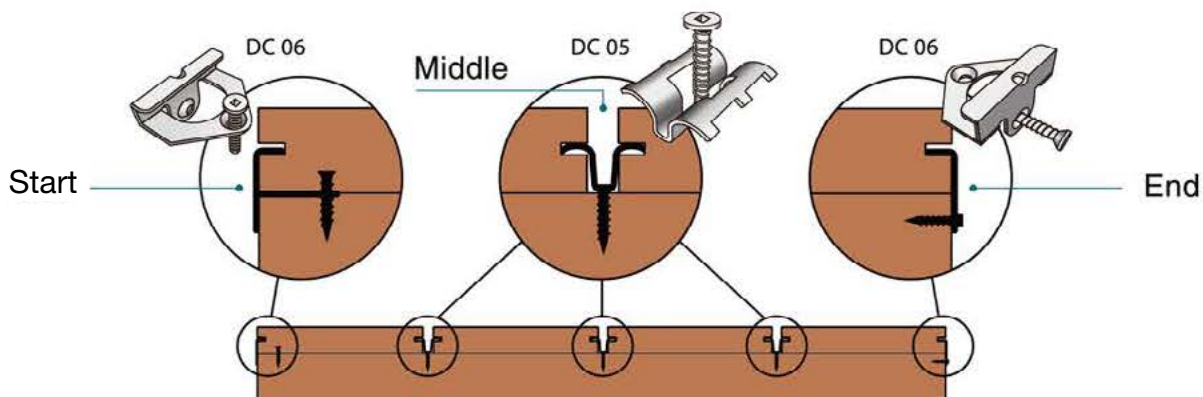
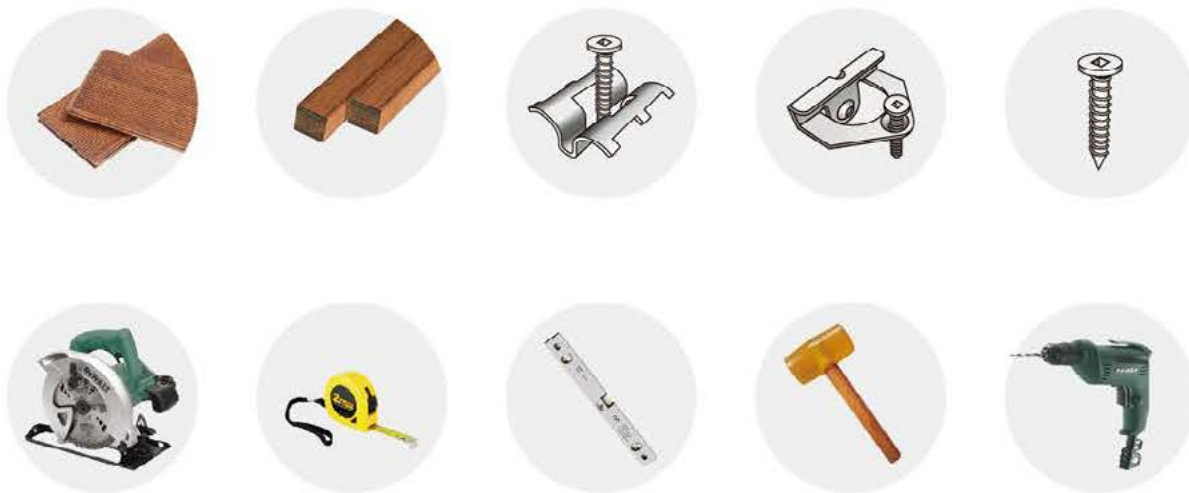
After cleaning

After the maintenance

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Material & Tools



Consideration

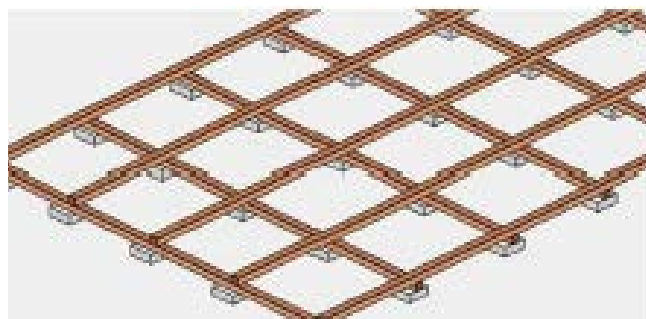
- Before installation, clean up the worksite, make sure the basic is flat and stable, drainage clear and conforms with the requirement of the construction design.
- The keels should be fixed on stable cement-blocks or cement-tiles. Ensure decking slope 1-2 degrees from level in order to shed water.
- The distance between the keels must be between 450 to 500 mm. By a deck of 1860 mm length need min. 5 keels.
- Distance from floor to the bottom of the decking should be 80-150 mm.

Installation



Minimal construction

Concrete slabs under load-bearing beams.

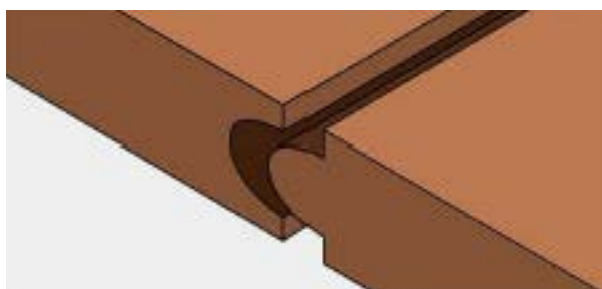
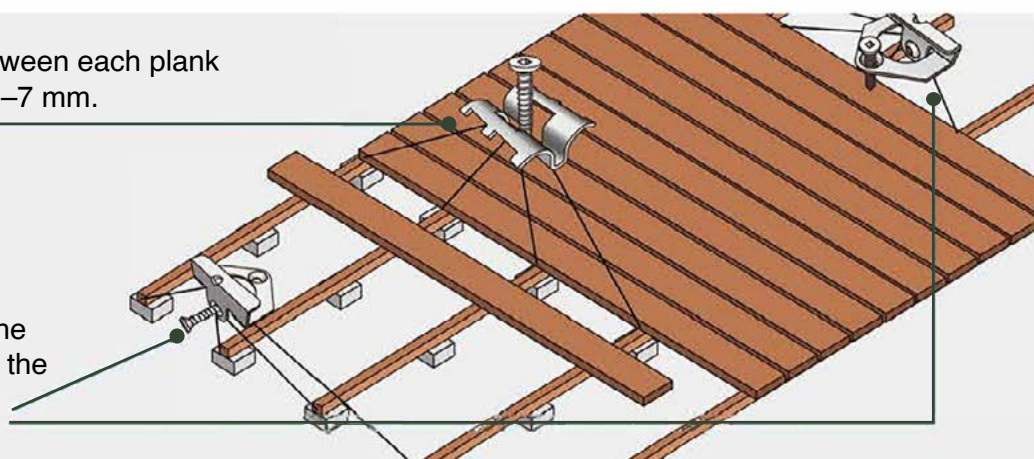


Professional construction

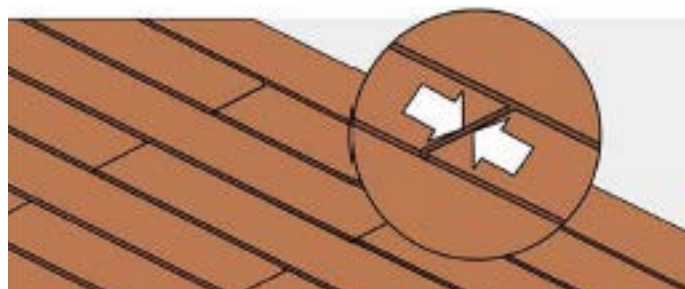
Double layer of supporting beams on concrete slabs for long-term stability. The maximum axial spacing of the supporting beams is 400-420 mm.

Use DC 05 clips between each plank to ensure a gap of 5–7 mm.

Use DC 06 clips for the beginning and end of the planks.



It is recommended to use boards with a tongue and groove on the front side.



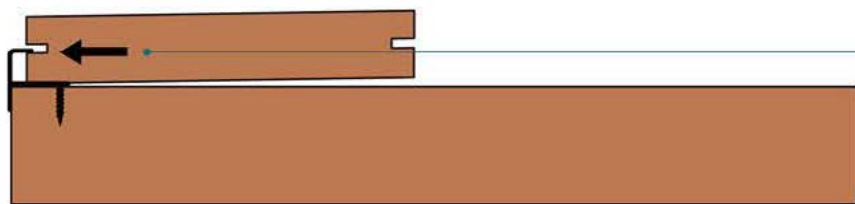
If the planks do not have a tongue and groove, leave a 2 mm gap between the ends of the planks.

Installation steps



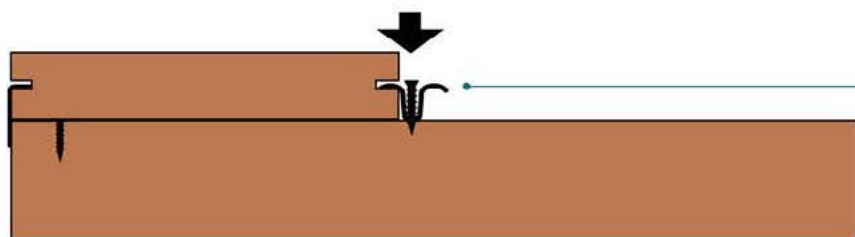
1

Attach the side clips (DC 06) to the end of the support beam for the start of the terrace. Note: If you use REAL DECK BAMBOO support beams or beams made of exotic wood, always pre-drill the holes to prevent cracking. Install the support beams in the correct direction (top side up).



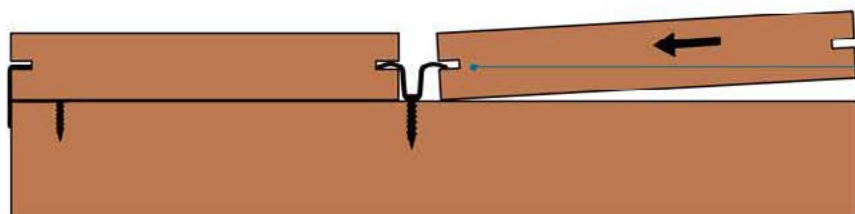
2

Insert the first decking board so that the center groove fits into the side clip.



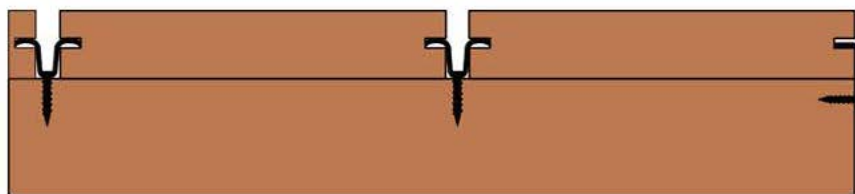
3

On the other side of the first plank, attach the DC 05 clips to the supporting beams.



4

Install all the other planks one by one so that the center groove fits into the clips.



5

Secure the last plank using the DC 06 clip.

To ensure the distance between the planks is correct, you can use a rubber mallet to gently align the planks into the correct position. The planks must be firmly seated in the clips.

Note: Please note that our recommendations for installing bamboo decks are not binding installation instructions, but rather recommendations. Each deck has different parameters and the implementation company is always responsible for the correct method of installation and use of materials.