

Installation instructions

Please read this installation instruction carefully before starting the installation

Application area and usage

Our high quality BPC deckings are made of 60 % bamboo, 30 % recycled polyethylene and 10 % additives (UV blocker, colour pigments). They can be used as terrace or balcony decking in outside area without contact to the soil.

BPC is free of splinters and mostly impervious against insects and fungus. BPC is usually coloured to the core and stable in colour.

BPC-Deckings are not suitable for:

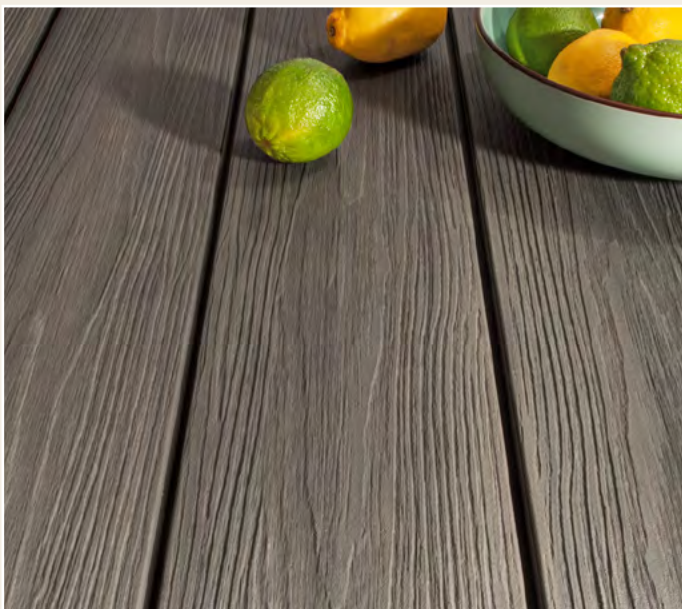
- Static bearing construction
- Wet areas without air circulation

Typical characteristics of BPC

BPC contains a high amount of natural fibres which despite accurate formula can lead to colour differences within one delivery. These colour differences are typical for this material and cannot be claimed.

On new deckings dark spots can occur after evaporation of rain water. This is caused by the natural contents of the natural fibres. With weathering these spots disappear themselves, but can also be removed with water and detergent or our multi cleaner.

With high insolation the decking gets warm. The darker the surface the warmer it becomes.



With dry weathering and direct insolation at can come to electrostatic charge.

BPC Components

- BPC deckings
- Supports made from BPC or Aluminium
- Installation clips including screws
- Beginning and end clips including screws
- L-profiles for the edges made from BPC or Aluminium
- Anti-Slip installation tape 19 mm
- End covers for aluminium supports

The positive characteristics of our BPC deckings are only assured by using these components. Combined with other products there will be no guarantee.

Information regarding installation

- Store the decking lying flat on a flat ground, dry, with air circulation and without direct insolation
- Do not throw, twist, bend or tilt the decking
- The perfect temperature for installation is 10-25 °C. Do not install in freeze or huge heat.
- Drill the holes before screwing.
- Please plan 2% incline for water drain alongside the planks away from the building
- Check the single elements before installation and put damaged parts aside. Please do not install any damaged parts. Claims for noticeable defects will not be accepted if the material is already installed.

Underground

The ground must be free from vegetation, sustainable, seepage water absorbing and safe from freeze.

Water needs to run off. Always plan incline forcing the water away from the building. For enough air circulation you need at least 2.5 cm air under the decking and all around it.

Supports

The base under the supports definitely has to be able to carry the weight. Suitable for the base are for example concrete tiles minimum 30 x 30 cm or lines from concrete stones minimum 20 x 6 x 100 cm (for Aluminium supports) on which the support frames can be laid and fixed in the necessary distances.

The following middle distances "L" from the base must not be exceeded (picture 1).

Material of supports	Dimension	Middle distance supports (L)
Aluminium	49 x 29 mm	max. 65 cm
BPC	40 x 60 mm	max. 50 cm

If installing on adjustable foots please also take care on manufacturer's instructions.

Supports from BPC and Aluminium

The supports are laid in right angle to the base with a centre distance of max 40 cm (picture 1). It needs a distance of at least 2.5 cm to all parts of the building.

The ends of the decking can protrude the support frame with max. 5 cm.

The first and last row of BPC supports has to be installed in a double row with minimum distance of 15 cm (water drain). These are fixed at all contact points to avoid moving. All other support frames are fixed at the ends on the base (picture 1).

When using aluminium supports at least the ends and the first and last frame must be connected force-fit to the base (for example with mounting adhesive). In difficult installation situations the Alu supports need to be fixed at all contact points. Visible ends can be closed with end covers.

Extension of the supports and laying with splice

Extension of BPC supports is done by installing them overlapping. The length of overlapping must be at least the width of one plank and lay on one base tile (picture 1). The installation clips must have at least 2 cm distance from the end of the support.

Aluminium supports can be extended individually by using the plug in connectors and fixed later by screwing in the clips.

At a plank splice two support frames with a distance of 5 cm need to be installed.

For BPC and Aluminium supports we recommend to apply an anti-slip tape on every 5th support frame in full length.

Special installation situations

When having a terrace with different parts each part has to be installed like a separate decking. For a terrace with less than 1 m width at least five support frames are needed.

On Rooftop terraces the seal should not be damaged. Build the supports crossed from aluminium profiles and fix them to building protection mats floating and safe from storms at the building. For other alternatives please ask your dealer.

Installing the planks

When laying the planks please ensure that they are focused all in the same direction. With different insolation the colour can change differently.

BPC is swelling with temperature and humidity and shrinking when cold and dry. With the installation this movement must not be handicapped. The planks must be fixed only with the stainless steel clip on each frame.

The distance of the planks to parts of the building must be minimum 2.5 cm. When laying spliced planks the distance between the ends of the planks is 7 mm.

BPC is sawn similar to wood. Hollowed decking must be cut in only in right angle. Angular, wedge shaped or narrow cuts are only possible with solid decking. Cuts must have complete contact to supports.

The outline groove is fixed with the start/end clip on each support (please pre-drill 2-3 mm). In the surface all planks are fixed on the supports (picture 2). For this the clip is placed in the groove of the installed plank and by pushing the next plank onto it, it gets the right position and can be screwed in (pre-drill 2-3 mm).

This way you can prepare a few rows, push them together, fix with a ferrule and screwed all in one step.

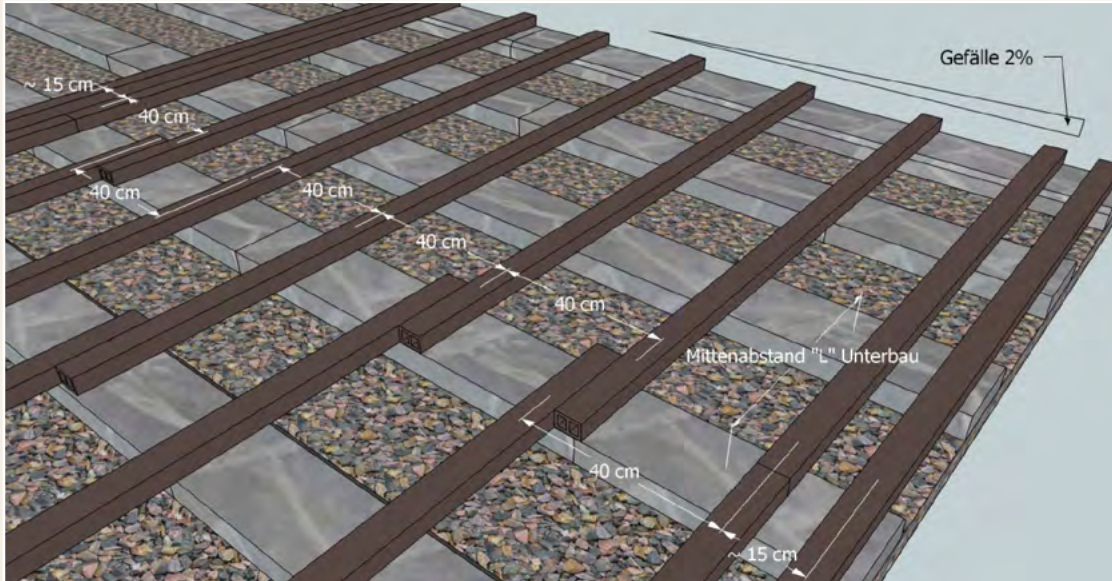
Attention!

At a splice each end of a plank is fixed with two clips on its own support (picture 2).

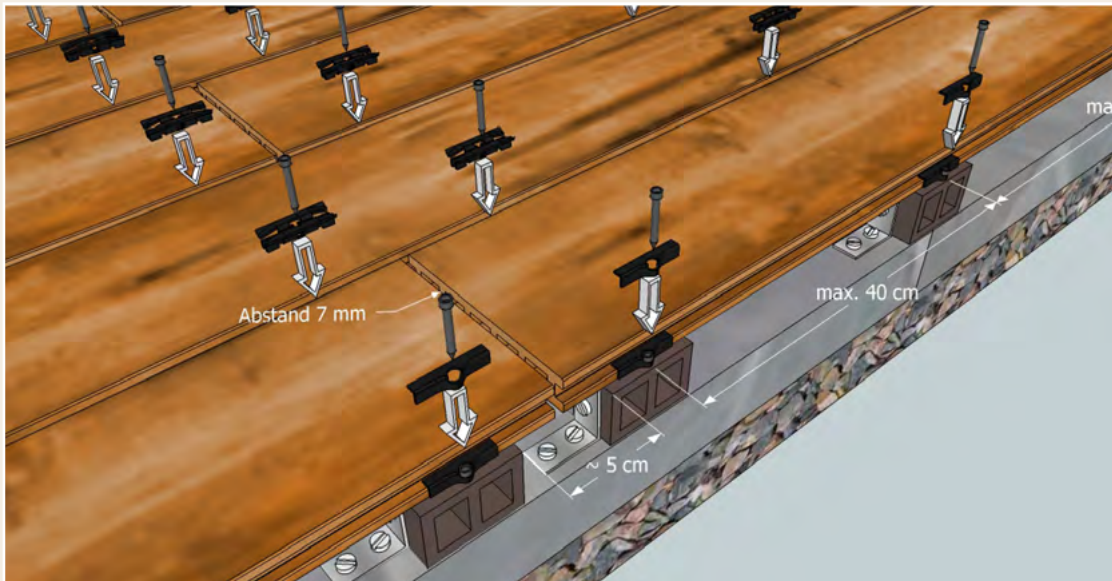
BPC-Decking

Bamboo Polymer Composite

Picture 1

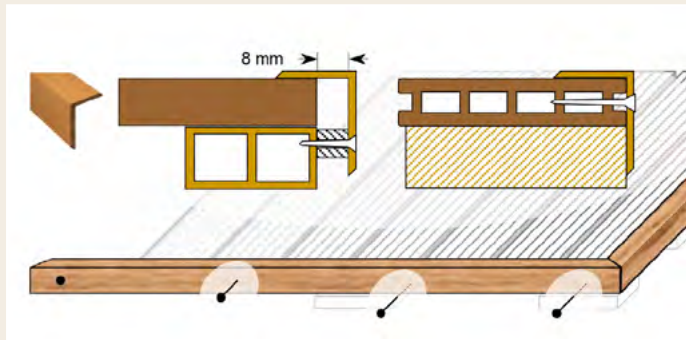


Picture 2



Edge Covering

At the sides of the planks the L-profile is fixed with screws. At the heads of the planks you need a distance of minimum 8 mm to the L-profile. It is screwed with spacers to the supports.



Care and maintenance

Clay, dirt and green can be cleaned with warm water and our multi cleaner. Stronger dirt can be removed with a plastic brush. Pressure washers, steam cleaners or sand blasting must NOT be used.

For maintenance and removal of low signs of usage you should clean the surface regularly with our special scrubbing brush (silicon carbide – broom) lengthways. Damages like scratches or burned spots remove as much as possible with wire brush, sanding paper or scouring sponge.

Exception

Protect/Protect Duo, please only clean with warm water and a suitable cleaner, do avoid damaging the cover.

For BPC terrace deckings the rules are similar to wooden or plastic floorings for indoor use. Hard rolls and coloured furniture feet can cause visible abrasion, discolouration or damage on the surface. Therefore rolls and slides should be checked at invisible spots before using.



Warranty

BPC is produced under highest diligence and running quality control. Although if there is any damage of single elements please put them aside and contact your supplier.

The warranty only relates only to productional problems of the delivered material. Damaged elements will be replaced by impeccable material. Claims for installed material which had visible defects before will not be accepted.

After inappropriate use, faulty installation, not following the installation instructions or use of different system parts the warranty claim lapses.

All information is based on the current engineering and given with best knowledge. Pictures can differ. Drawings are not to scale. All rights reserved. Subjects to errors and mistakes are reserved.