

Installation Instruction

Please observe this instruction carefully prior to storing and installation.

BPC is a composite product to consist of Bamboo, plastics and additives. The boards are used to cover a Patio deck.

BPC does not chip or shiver and is largely sensitive against insect grub and fungal attack. Deviation in colour and structure are characteristic for this material. Change in colour after weathering and use is normal.

- Free-span constructions are not allowed. BPC cannot be used for supporting or load-bearing constructions.
- BPC cannot be used in humid/damp areas with insufficient air-circulation.
- At dry weather and direct solar radiation the product can charge electrostatic.



BPC System Components

- BPC Decking
- BPC and Alu Underconstruction
- System Fastening Clips and Screws
- BPC and Alu covermoulding
- Anti-slippery-fixing tape

Using other components the warranty is terminated.

Hints for Workmanship

Store horizontally, dry, well ventilated and without direct solar radiation

Do not throw, wring, bend or twist the boards.

Perfect temperature at installation is between 10 and 25°C. Do not install during frost or extreme heat.

Always pre-drill screw holes (3mm).

Check single elements for damages prior to installation. Please set aside faulty pieces.

Plan sufficient grade for water-drainage, should be 2% in the direction of the boards and away from the building.

Underground

The underground must be free from vegetations, load bearing and frost-proof. Water must flow off unobstructed.

Leave a clearance of min 25 mm under the deck and all around for unhindered air-circulation. No piece shall have direct contact to building parts or the underground.

Sub-Structure

Install the frames of the underconstruction (UC-frames) on planar underground. Properly suitable are continuous rows of concrete stones i.e. 100x20x6 cm. On these lay the UC frames in the required distances "L" and fix them.

The distances (centre-centre) "L" shall not exceed following values:

Maximum centre-distance "L" of the UC

material	W x H	centre-to-centre
Alu	29 x 49 mm	max. 65 cm
BPC	40 x 60 mm	max. 50 cm
BPC	smaller sizes	only full-resting

When using adjustable foot system, please observe the manual of the manufacturer in addition.

Underconstruction (UC)

The underconstruction requires a minimum distance to all building parts of min 2,5 cm. End of boards shall not ride out more than 5 cm over the UC frame.

The first and the last UC will be laid as double column with a centre distance of 15 cm and will be fixed at all support points. All other UC frames will be fixed on the substructure at the ends.

On a terrace with multiple fields, each field will be laid as a separate terrace.

Terraces with less than 1 m width will require min 5 pieces UC frames.

The distance of UC frames is max 40 cm, measured from centre to centre and shall never be exceeded.

The fastening clips shall have a distance of min 2 cm from the end of the UC frame. On the surface area it is favourable, to have a sidewise overlap of the frames with min 1 width of the decking.

End matched decking has to rest on 2 UC frames with a distance of 5 cm; each board-end rests on a separate frame and will be fixed with 2 fastening clips each.

On roof terraces the roof seal shall never be damaged. Build the underconstruction as cross framing with aluminium UC profiles, floating on a protective layer. Fix it storm-save to the building.

We recommend to use an anti-slippery fixing tape on every 5th UC frame.

Deck Assembly

The appearance of the boards can vary at different light incidence. When laying, please attend to uniform orientation – you will find appropriate marking in the grooves.

BPC expands at higher temperatures and humidity and shrinks at colder and dry conditions. Don't hinder this move with the fastening. The decks will be fixed exclusively with the System-fastening clip system on each UC frame.

The distance of the boards to firm building parts must leave a gap of min 2.5 cm. At head ends from board to board leave min 7 mm space.

BPC can be sawn like wood. Hollow profiles are only allowed to be cut in 90° angular. Slanted, wedge-shaped or narrow cuttings are only possible with solid profiles. Cuttings and fitting-pieces must rest on UC frame completely.

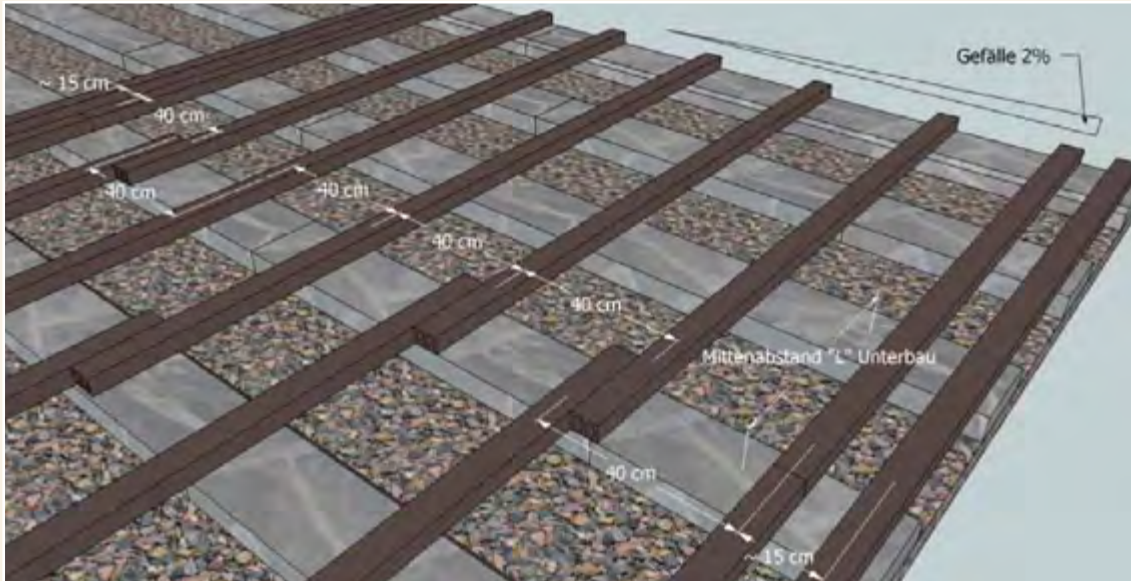
The external groove of the first and last decking row will be fixed with start-/end-clip on each UC frame. (3 mm pre-drill!) All other grooves on the surface area will be fixed with the connecting-clip.

The boards must be fixed on each UC frame with separate clips.

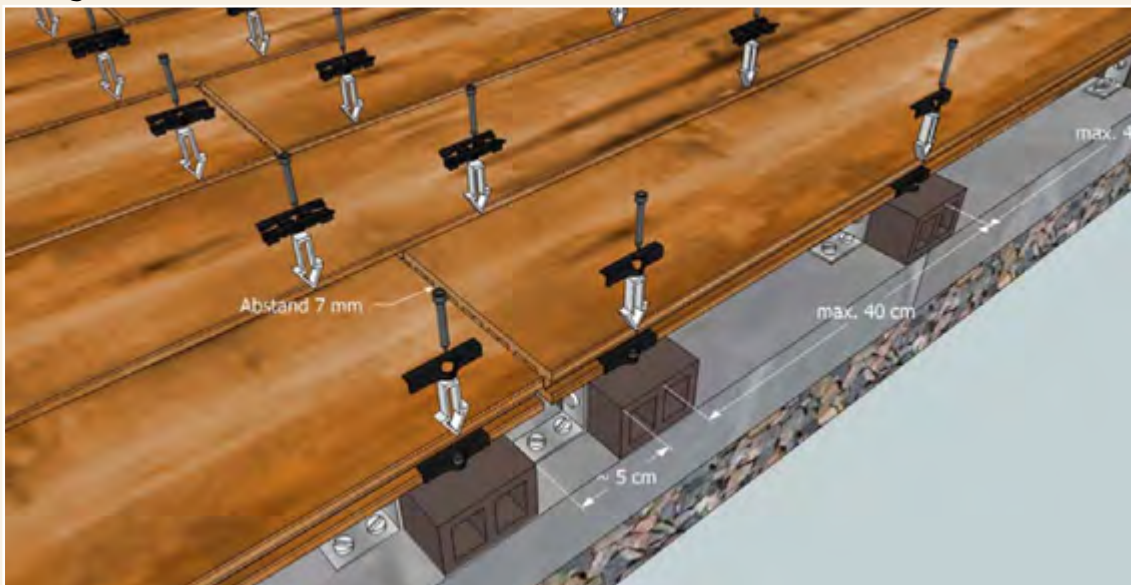
At head-ends each end will be fixed always with 2 separate clips. Never fasten 2 boards with a single clip to hold both boards.

Place the connecting clip next to the board. When telescoping with the next board, the clip slips to its position and can be fixed (3 mm pre-drill!) This way, you can prepare multiple rows, telescoping and tight with a screw clamp. Then fix the clips in a sequence.

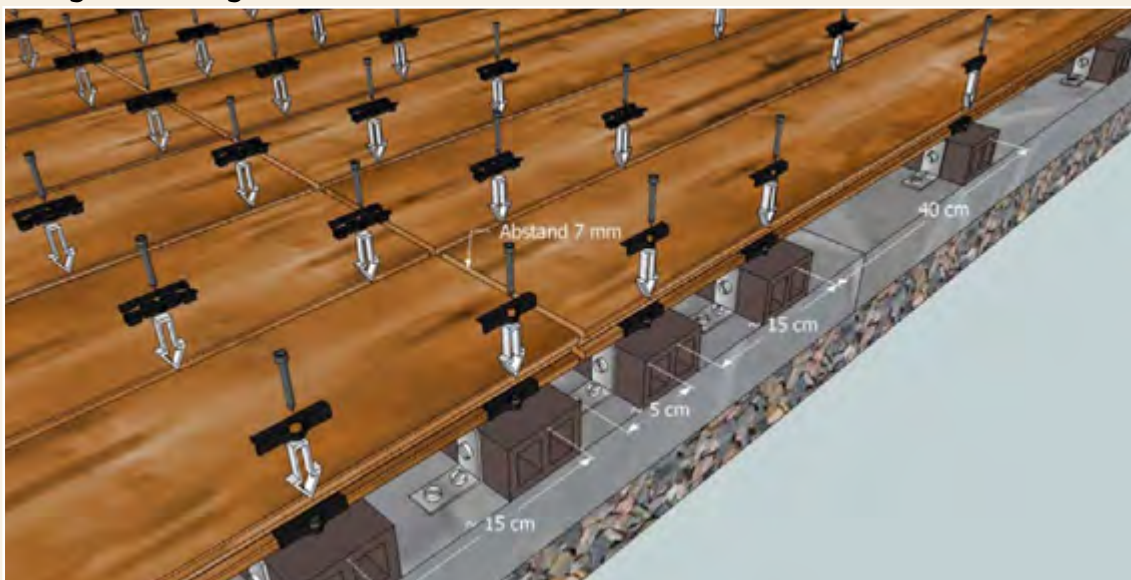
Substructure, Underconstruction, f.i. Concrete and BPC UC Frames



Fixing of head-ends on the surface area



Fixing of Decking with several fields



BPC-Deckings

Bambus Polymer Composite



Fasten the outside edge of the last board with the end-clip. To do this, drill through the end clip and the lower groove cheek of the board at an angle and fasten the clip with the screw in the UC frame.

Finishing Work

Fasten the edge cover moulding from the sides with screws. On head-ends of the boards please fix the screw connection with a stretching distance of 8 mm between L-Profile and the boards.

Care and Maintenance

Outdoor furniture shall have flat feet. Sharp-edged or pointed feet can damage the decking.

Only use non-tincturing glider (stainless steel or plastic) underneath of all furniture, flower tubs or umbrella stands.

On new decking sometimes colour fringes or water spot can occur. Those will disappear after weathering; though you can remove yourself with water and patio-cleaner.

Mud, dirt, algae and moss can be removed with warm water and appropriate patio-cleaner. Stubborn build-up can be loosened with a plastic brush.

Damages like scratches or burn marks please remove cautiously with steel wool, wire brush, abrasive paper or with a scouring pad.



Warranty

BPC is produced with highest caution under continuous quality control. If there were single elements damaged, please separate and contact your dealer.

The warranty applies exclusively to manufacturing-related defects of the delivered goods. Defective Elements will be replaced by proper product.

Warranty claims will not be accepted to any product, which were installed in spite of visible defects or flaw. In case of improper use, faulty installation or failure to follow processing instructions or usage of other elements a warranty claim is voided.

All indication depend on the current state of the art and are given to best knowledge. Pictures can deviate. Drawings are not on scale. All rights reserved. Mistaking and technical modification reserved.

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