



rettenmeier®
PREMIUM OF WOOD

DO IT LIKE A

PROFESSIONAL!

Artwood® WPC

TIPS+
TRICKS

- ✓ easy to care
- ✓ weatherproof
- ✓ UV-resistant
- ✓ does not turn gray
- ✓ anti-slip
- ✓ easy to install

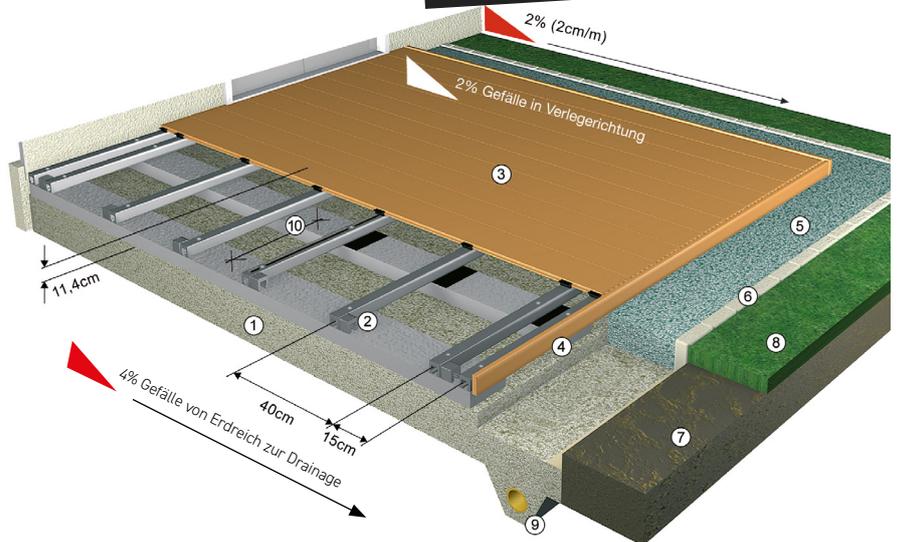
Artwood® WPC

OVERALL STRUCTURE

- ① Load-bearing, compacted gravel or gravel bed (no sand bed)
- ② Artwood® construction beams on concrete slabs with mounting blocks
- ③ Artwood® decking boards attached with decking clips
- ④ Artwood® end strip as a surrounding terrace border
- ⑤ Gravel bed all around
- ⑥ Edging stone on sand or lean concrete all around
- ⑦ Topsoil
- ⑧ lawn
- ⑨ drainage
- ⑩ Axial dimension max. 50 cm

-  pre-drill / screws
-  saw to size

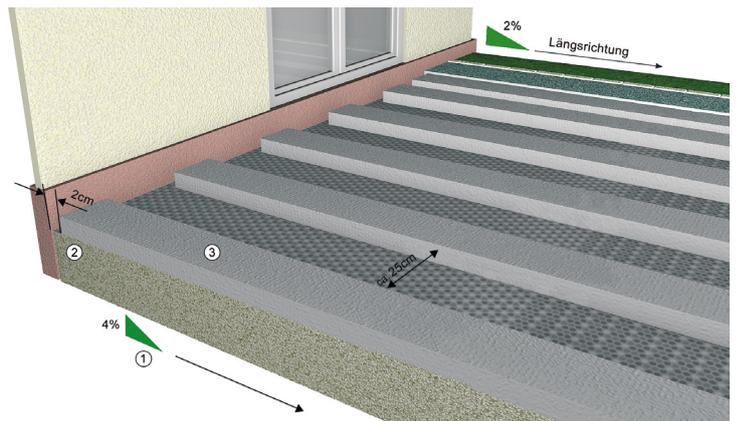
Tip: Max. 10x10 m, then arrange the building expansion joint. Always pre-drill holes.



STEP 1

FOUNDATION AND FOUNDATION

- ① Soil with a 4% gradient to drainage (d > 10 cm)
- ② Load-bearing, frost-proof gravel bed with a 2% gradient to the drainage
- ③ Concrete slabs 5 x 25 x 100 cm



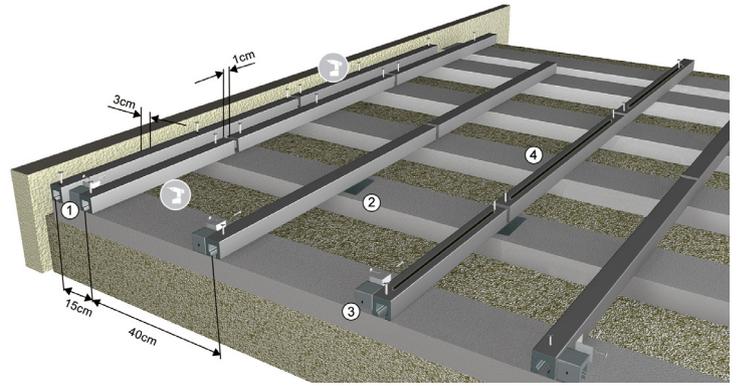
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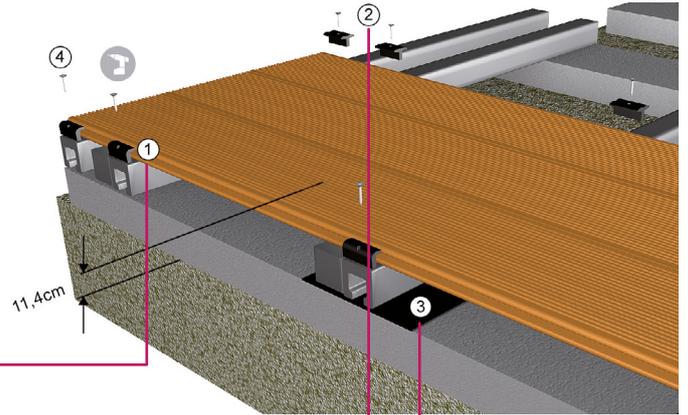
STEP 2 SUBSTRUCTURE

- ① Lay two Artwood® construction beams at the beginning and end and screw them to concrete slabs.
(e.g. window frame screws 7.5 x 92 mm, TX 30)
- ② Use support pads to compensate for differences in height and to extend the service life of the terrace.
- ③ Piece of a construction beam for attaching the end strips.
- ④ In order to avoid slipping later, screw the middle Artwood® construction beam to the concrete slabs and apply a silicone seam (or double-sided adhesive tape). Always arrange the longitudinal joints of the construction beams offset. Screw all construction beams in the edge area.



STEP 3 CLIP SYSTEM (7 MM)

- ① Pre-drill all holes with a 3 mm metal drill. Fix the first board flush with the construction beam with the Artwood® terrace end clip (screws 4 mm black, T 20).
- ② Loosely fix the Artwood® terrace clip with a screw, then push the next board against the clip as far as it will go. Fasten the following clips and boards in the same way. After laying 5 boards, finally tighten the clamps with medium torque.
- ③ Use support pads as an option.
- ④ The planks are laid perpendicular to the building with a 2% slope.



Tip: chamfer cut edges

Universal Stainless steel end clip
(suitable for all Artwood® boards)



Plastic end clip
(suitable for boards thicker than 21 mm)



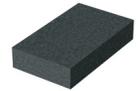
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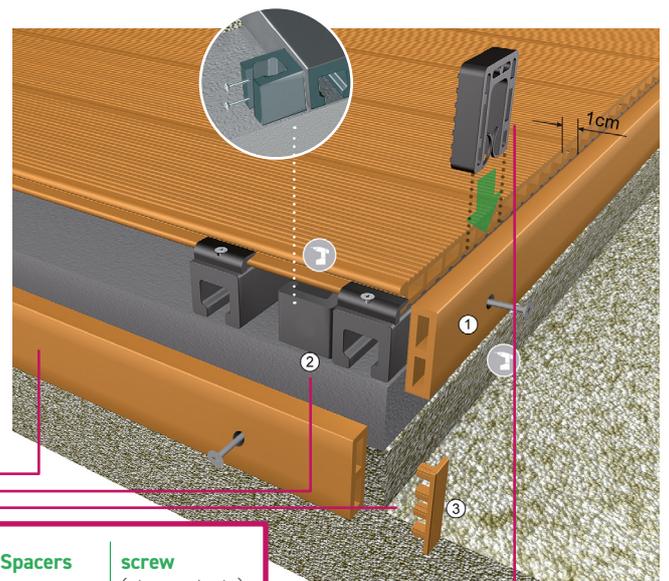


optional



STEP 4 ATTACHMENT OF THE END STRIP

- ① Installation at the front for plank alignment: Cut the planks to length in the edge area flush with the Artwood® construction beams and bevel the cut edges. Pre-drill holes on the construction beam (3 mm) and Artwood® end strip (5.5 mm for countersunk screw). Fix the screw for fastening the spacer in the pre-drilled hole (with screws 4.5 x 60 V2A in the center bar every 50 cm), insert the spacer and tighten the screw.
- ② Installation parallel to the board alignment: Saw off a 4 x 4 cm piece of the Artwood® construction beam. Serves as a mounting block for the end strip. Screw the fastening block to the adjacent construction beam with a metal bracket (max. 40 x 40 x 40 mm). Pre-drill a hole at the front. Fasten the Artwood® end strip as described above.
- ③ Optionally attach Artwood® end caps 17 x 60 mm (with hollow chamber end strip).



End strip



End bar
(sawing)



Graduation cap
(optional)



Spacers

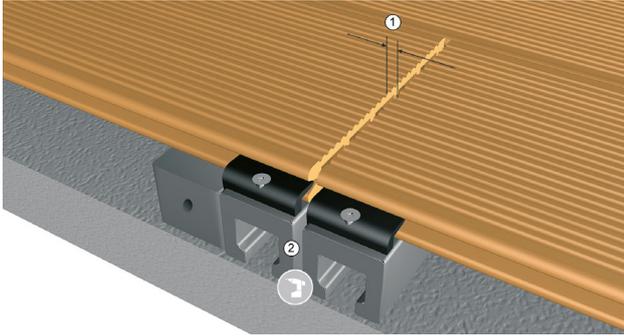


screw
(alternatively)



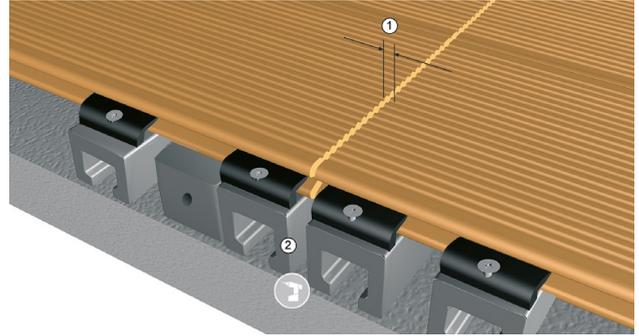
a) SHIP FORMATION

- ① Distance between the boards at the front is at least 1 cm.
- ② The distance between the construction beams must be at least 2 cm. Screw the construction beams to the concrete slabs.



b) ROW ASSOCIATION

- ① Distance from the front at least 1 cm.
- ② At the joints the construction beams with a distance of Lay at least 2 cm twice and screw to the concrete slabs.



INSTALLATION INSTRUCTIONS, PLANNING PRINCIPLES

It must be set up as an attached deck with a clip system. Avoid ground contact of the construction elements! Make sure that the ground is firm and stable. Only use Artwood® substructures as construction beams. Basically pre-drill all screw holes. Observe the minimum distances between the expansion joints so that the construction can expand without being forced. Do not strap or brace the terrace during assembly. Always lay hollow chamber profiles in the longitudinal direction of the board with a slope of at least 2% to avoid permanent damage from penetrating water. The board must have a distance of 2 cm to all fixed components. Ensure adequate ventilation by observing the joints. Do not fill voids between the substructure. Maximum board overhang over the last substructure 5 cm. Production-related dimensional tolerances of length, width and thickness must be taken into account during assembly. Contamination by aggressive substances such as rust or soot should be avoided as far as possible.

LAYING DIRECTION

In order to achieve a homogeneous surface effect, lay all boards in the same laying direction. This is indicated by an arrow in each floorboard groove. Mix the planks before laying so that the small shades of color of the planks can emphasize the wood look.

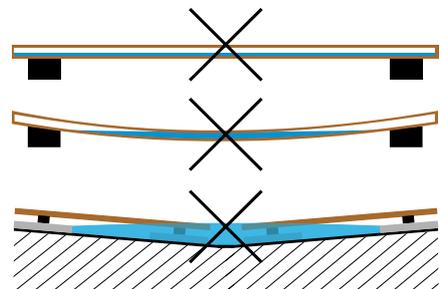


SLOPE AND DRAINAGE

When laying the required minimum gradient of 2% (2 cm per m) in the longitudinal direction of the boards must be adhered to, since Waterlogging can lead to permanent consequential damage (dimensional change, bowl or frost blast).

Important:

- Always pay attention to a sufficiently dimensioned drainage. Avoid backwater and ensure complete drainage even in heavy rain. Avoid direct contact with the ground.
- For special constructions (stairs, curves, downpipes, etc.) and terraces where the minimum slope cannot be maintained, always use the solid Artwood® terrace plank.



OUTDOOR MAINTENANCE

for permanently optimal conditions

HERE YOU WILL FIND:

- ✓ The advantages
- ✓ Color development
- ✓ Cleaning and maintenance
- ✓ Possible uses
- ✓ natural fiber inclusions (bast)
- ✓ Water stains



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