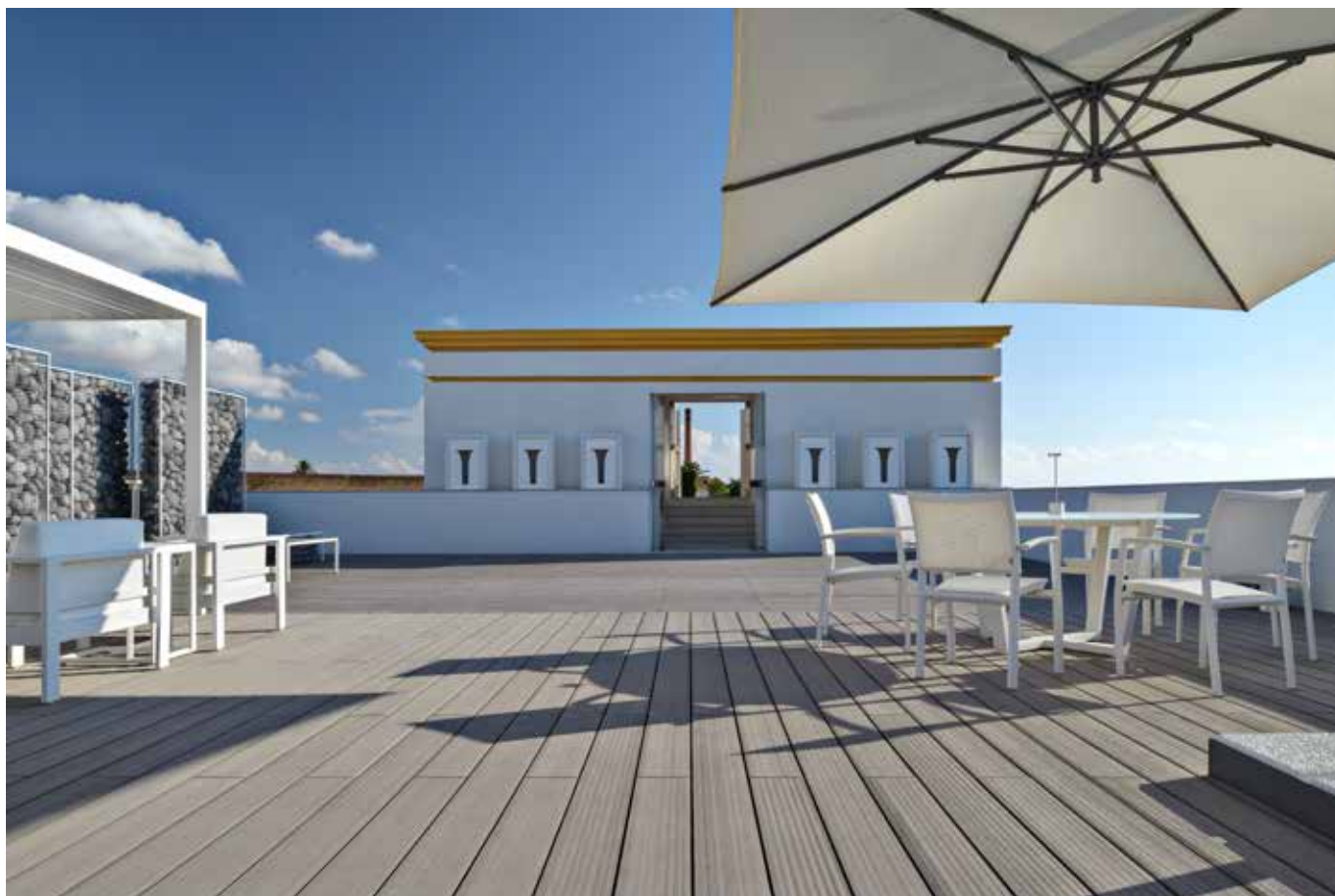
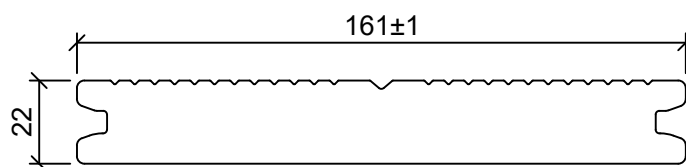


GREENDECK - outdoor decking



PLANKS DIMENSION AND LOGISTIC

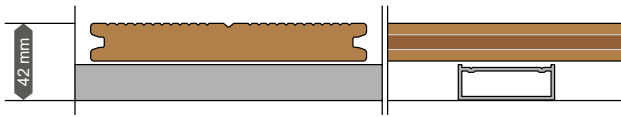


Code	TV01
Dimensions of the plank	161 x 22 x 2000 mm
Incidence	6,10 m/m ²
Weight of a plank	~ 3,90 kg/m

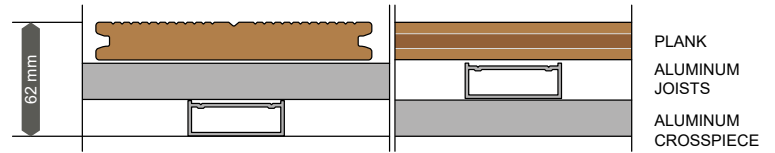
The external dimensions listed are nominal values.
The weights of the planks indicated in the tables are indicative and not binding.
Length tolerances according UNI EN-ISO 22768: class UNI EN-ISO 22768-vL.

System height

LAYING ON ALUMINUM JOISTS 55 x 20 mm (W x H)



LAYING ON ALUMINUM JOISTS AND CROSSPIECES 55 x 20 mm (W x H) WITH SUPERIMPOSED FRAME

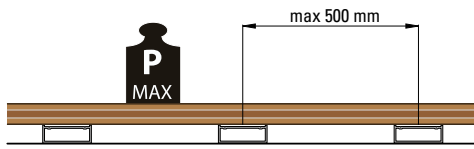


Size of the joints

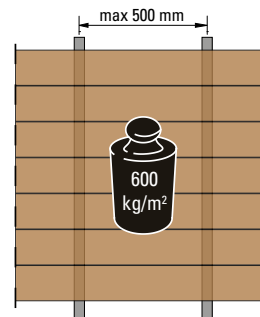
Clip model	Joint size [mm]
Stainless steel clip (code ZCLG-AC017)	Approximately 5 *

*IMPORTANT: The dimensions shown are approximate and may vary depending on the accuracy, tolerance and method of installation.

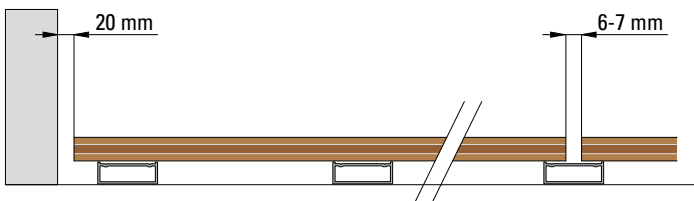
Laying instructions



The Greendeck floor is suitable for foot traffic, but not vehicle traffic.

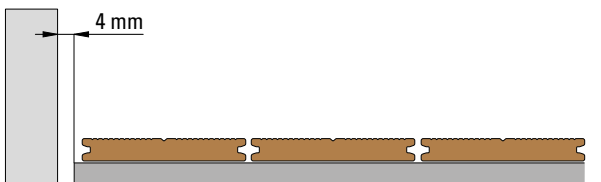


Load distributed over 1 m^2

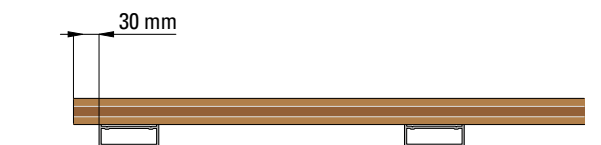


The minimum distance between the ends of the plank and the wall must be at least **20 mm**.

The minimum distance between the ends of two consecutive planks must be **6-7 mm** (for planks 2000 mm long)



The distance between the joist and the wall must be at least **4 mm** regardless of the width of the surface.



Position the joist no more than **30 mm** from the end of the plank.

For correct installation, every piece of board (including those shorter than 500 mm) must always be supported and fixed to the substructure in at least **3 points**.

WARNING: it has to be noted that the failure to comply strictly with the criteria for a correct installation, causes the deformation of the materials and the misalignment of all the expansion joints.

LAYING METHOD 1 - SINGLE FRAME

LAYING ON STABLE GROUND

Installation on aluminum joists involves mechanical fixing them to the ground and is suitable for installation on stable and drillable floors such as: concrete sub-bases, existing stone floors and industrial decking.

In the presence of concrete screeds laid to protect waterproofing membrane, check the actual available thickness to choose the size of the plug to fix the joists, so as not to damage the underlying membrane.

For installation in circumstances and on grounds that differ from the above, please refer to “LAYING METHOD 2 - DOUBLE FRAME” at sheet 116.

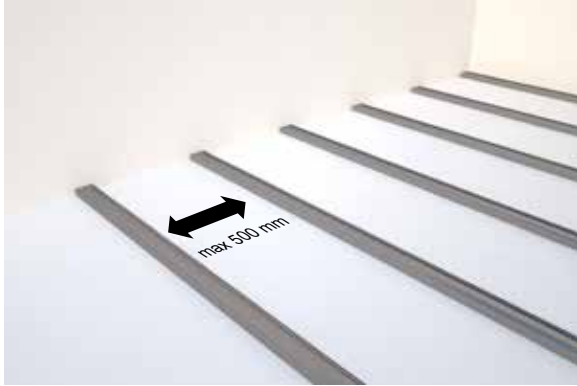
LAYING PATTERN - RUNNING BOND



<p>Greendeck plank brushed PTV05</p>	
<p>Aluminum joist 55 x 20 mm (L x H) AZTRW-45X25.4X1.5-6060-T6</p>	
<p>Burnished stainless steel clip ZCLG-AC017</p>	
<p>Stainless steel clip (starting clip) ZCLG-AC003</p>	
<p>Screw hole dowel AC008</p>	
<p>Screws for clips and dowel attachment ZFHC-3.5X19-A2-7504O ZFHC-4.8X25-A2-7504P</p>	

LAYING AND FIXING OF ALUMINUM JOISTS (standard 55 x 20 mm)

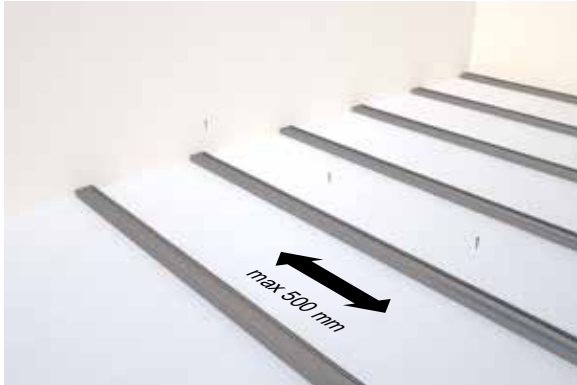
Arrange the joists on the ground in a position perpendicular to the plank laying direction, with a maximum centre-to-centre distance equal to **500 mm** from each other. The positioning of the joists is closely connected to the laying surface of the planks. We recommend laying out the planks on the ground to locate the exact positions of the joists, their centre-to-centre distance may vary depending on the laying surface and the cut of the floor planks.



1. Arrange the joists on the ground with a maximum centre-to-centre distance of **500 mm**, and take into account the floor laying pattern.



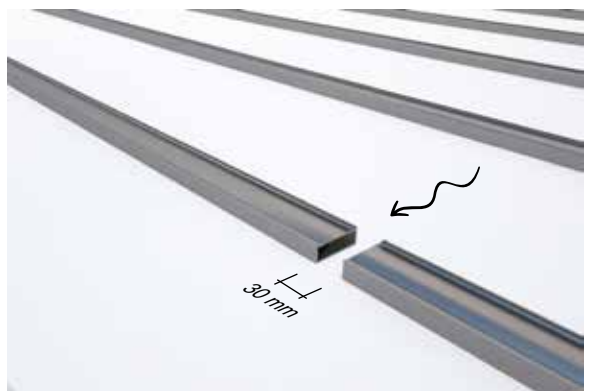
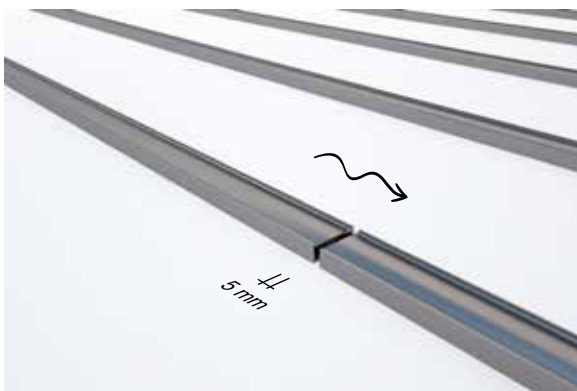
2. Drill a through hole with a diameter 1-2 mm greater than the diameter of the screw shank and another of a diameter greater than the diameter of the screw head on with the upper surface of the joist.



3. Attach the joists to the ground using suitable screw plugs, the centre-to-centre distance of the fixing points must not exceed 500 mm.

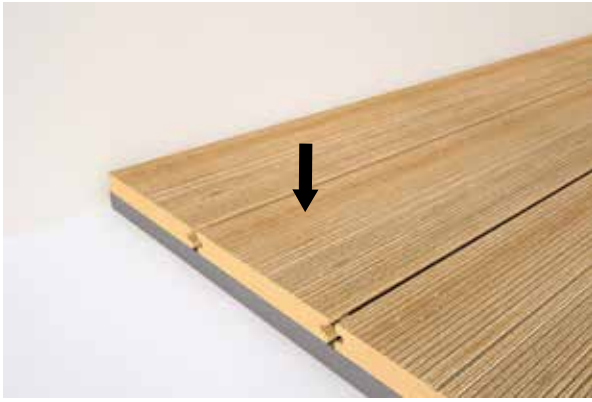


4. If the ground is uneven, and shimming is therefore required, ensure support to the aluminium joists at least every 500 mm.



5. The distance between the ends of adjacent joists must be at least 5 mm in the case of installation of the joists along the sloping side of the floor and 30 mm in case of installation perpendicular to the slope to allow for the outflow of rainwater.

INSTALLATION OF THE PLANKS



1. The **brushed side** (Loft or Solarium) must be installed facing upwards as it is treated to give it the characteristic aesthetic effect desired.



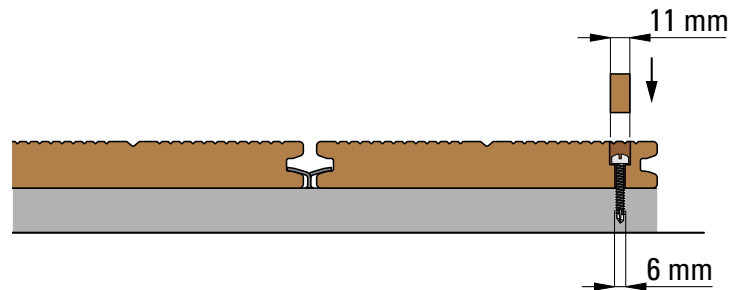
2. Apply starting clip ZCLG-AC003, by screwing it to the joist and make sure the clips are all aligned.



3. Insert the clip ZCLG-AC017 in the appropriate on the joist and fix it with self-drilling screws 3.5x19 mm.



4. Repeat the above steps until completion of the decking.



5. Where boards have to be fixed using screws, the fixing can be done with a recessed screw and the special dowel provided.

- Make a \varnothing 6 mm hole on the board in order to create the site for the screw 4.8x25 mm.

Increasing the diameter is necessary to allow the natural movement of the board.

- Enlarge the hole in the upper 2/3 of the board to \varnothing 11 mm.
- Fix the board to the pilot hole in the aluminium with the screw 4.8x25 mm.
- Plug the hole with the dowel and sand the surface so as to recreate the finish of the board.



Casa dei Tre Oci - Venezia - Italy (Greendeck)