

# Installation & Assembly Guide

- 14024
- LINY
- KARDEN



## INTRODUCTION

This guide includes the information you need to start the installation of Ardeck floor covering. This guide presents the assembly and installation techniques and has been prepared to assist you through the installation of our products.

Our products are manufactured aiming to generate warm, comfortable, natural and fine life spaces.

reviews the installation instruction from time to time. You may visit obtain the updated installation instructions.

## GENERAL RECOMMENDATIONS

When you need to mark through the assembly or in any other time, do not use permanent or tracer markings. Paints or similar chemicals are permanent. We recommend the use of baby powder or clean chalks for any kind of markings.

Periodically take out the drill bit while opening sized or deep perforations to remove the accumulating sawdust.



If you wish to reduce the joist view in the jointing spaces between the composite decks, paint you joists black on surface.

Ardeck flooring is suitable for many practices. However it is not intended for any other purpose (for instance, to be used for load bearing columns or beams).

## STORING IN THE CONSTRUCTION SITE

If Ardeck products will be stored for a certain time, please observe the following instructions.

Ardeck floor covering products should be stored on an even surface. If the stacking surface is not even, it should be straightened by supporting with various elements.

**DO NOT STACK** Ardeck as higher than 2,5 meters.

Cover the materials till installation.

## SAFETY

You should put on protective dresses and security accessories while working.

Particularly when you are making cuts at indoors areas, put on protective goggles, gloves, dust mask and long sleeve dresses. Ardeck products are heavier and more flexible than wood.

**DO NOT TRY** to lift same amount, when compared to conventional woods, of Ardeck products.

## TOOLS

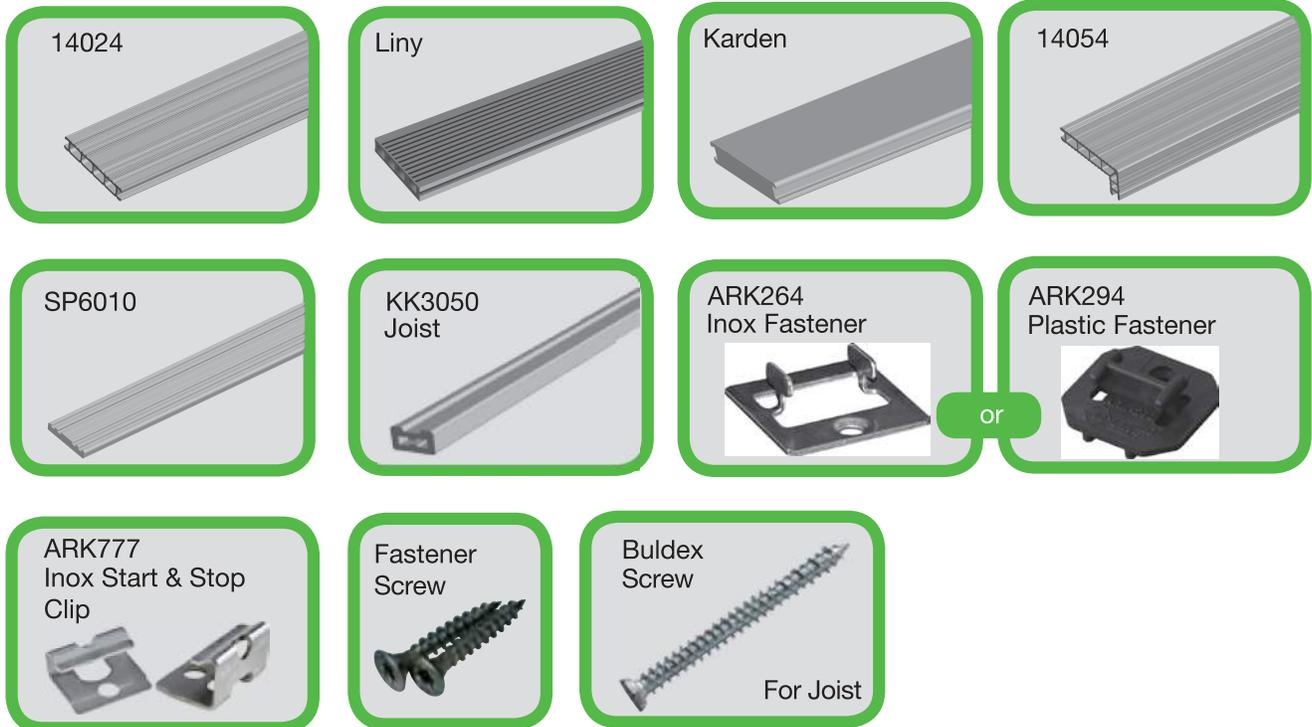
You may form mixed shapes, profiles or models with Ardeck. Most of the installations do not require special tools. The tools you will need: mitre saw, electric and chargeable driven drill, meter, water gage, plastic hammer, protective gloves

We recommend a saw blade as 24,5 cm-30,5 cm with 40 or lesser teeth if you will use mitre saw.

Ensure the drill bits you will use be of quality.



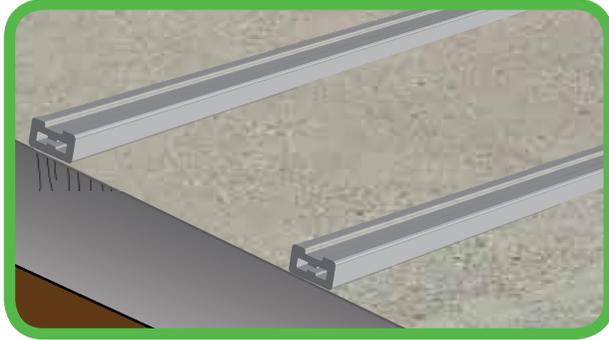
## PROFILES & COMPONENTS



Use original connection elements for best results and affective appearance.

Use of unauthorized connection elements will void the warranty.

## INSTALLATION OF JOISTS

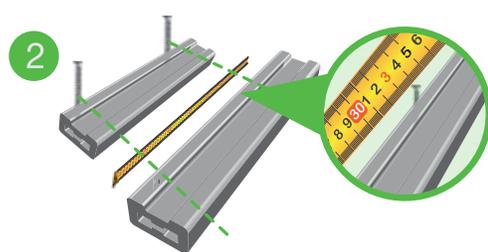
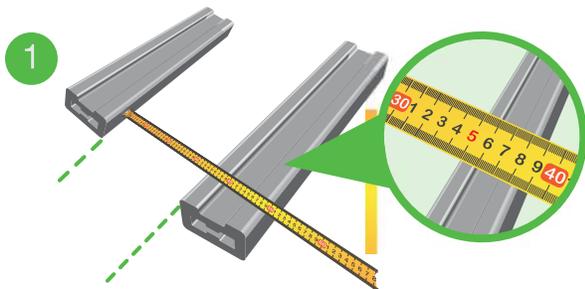
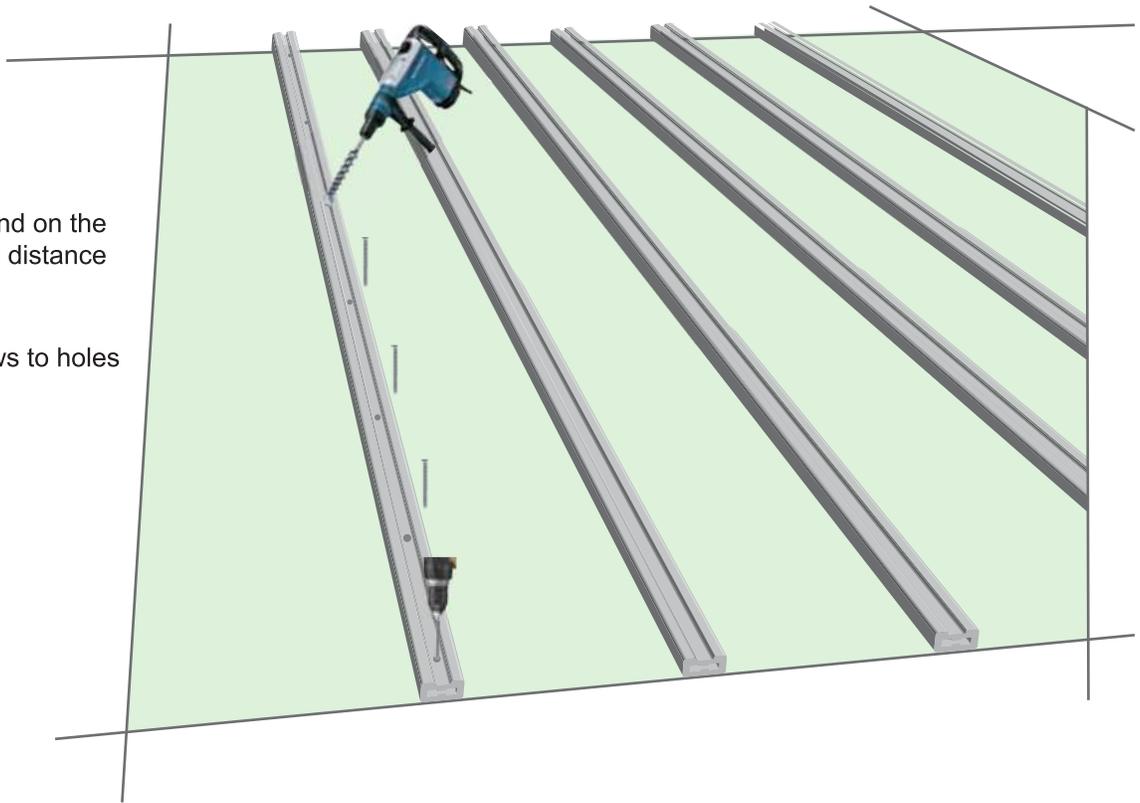


- Place the joists scales and water flow direction is set as follows

- We recommend initial perforation with drill and suitable bit while screwing. While forming the joist structure, tightly assembly the joists with 30cm spacing on the even surface and in accordance with the floor running direction.

First drill to ground on the joists with 33 cm distance

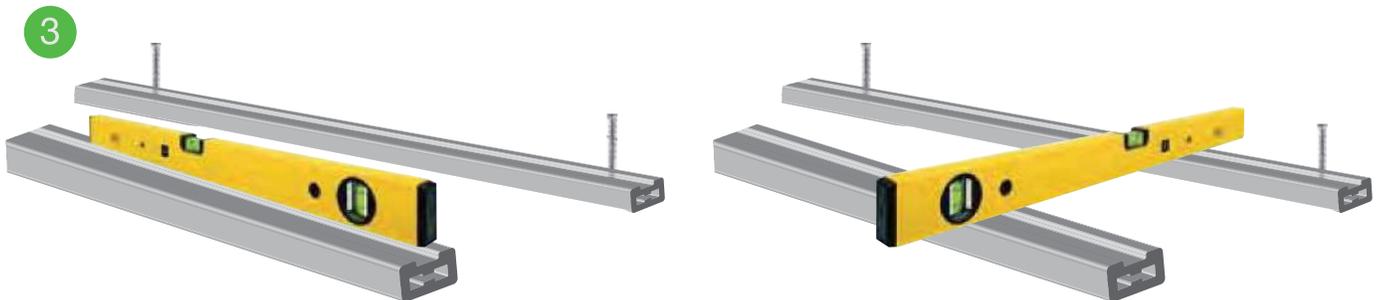
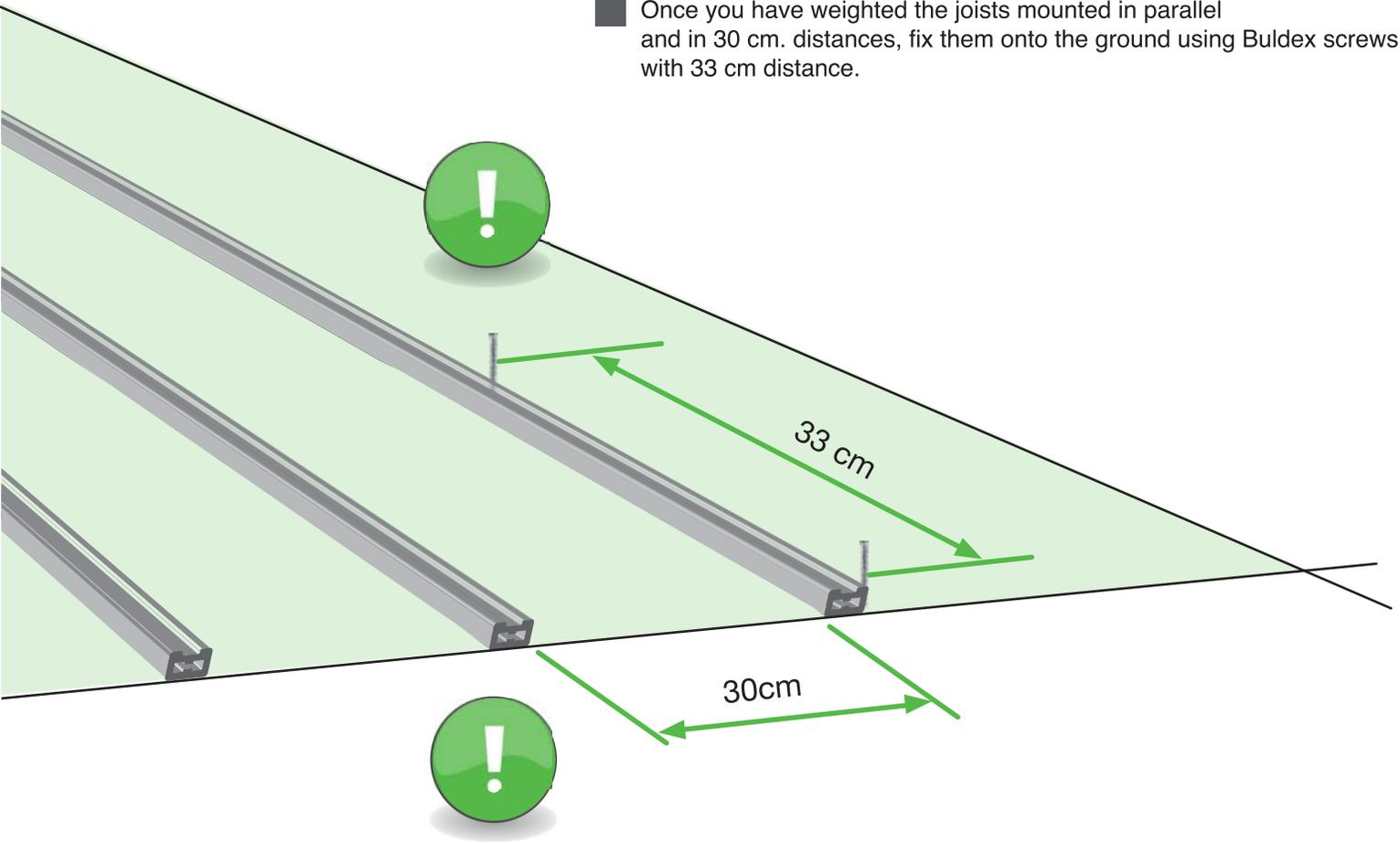
After screw screws to holes with screwdriver



- Place the first part suitably after assembling the joist and screw from ends and sides with at least 1 cm space

## INSTALLATION OF JOISTS

- Once you have weighted the joists mounted in parallel and in 30 cm. distances, fix them onto the ground using Buldex screws with 33 cm distance.



- It is important not to cause level or elevation difference between joists when forming the joist body. Thus, carefully check the elevation between joists before beginning to mount the profiles.

## INSTALLATION OF FASTENERS

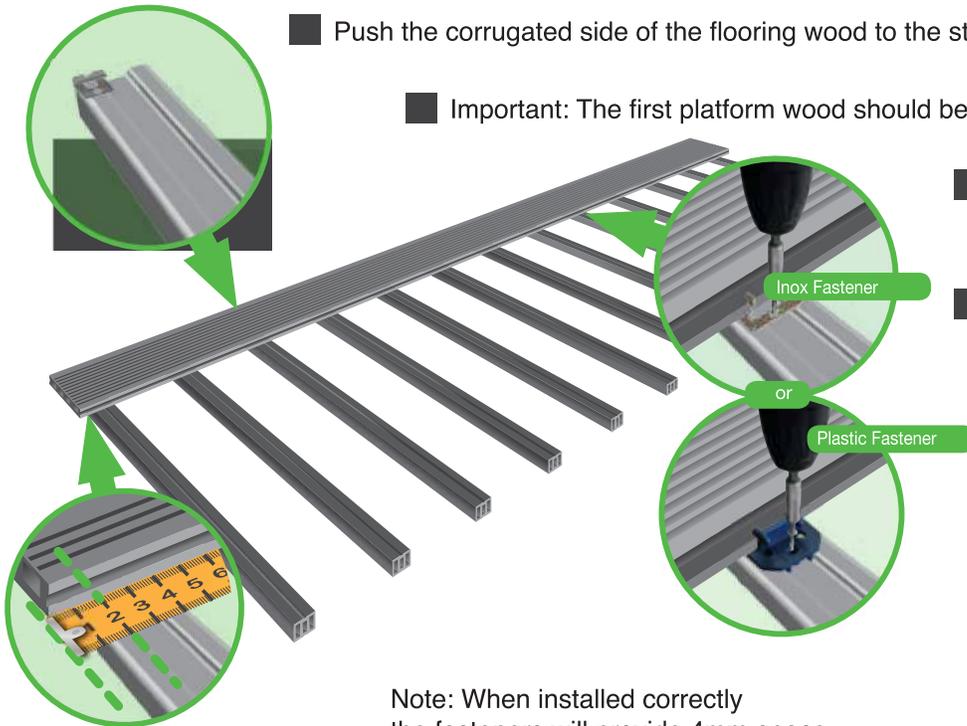
- Insert start clip to starting ends that have been centred on each joist.

- Push the corrugated side of the flooring wood to the starting clip.

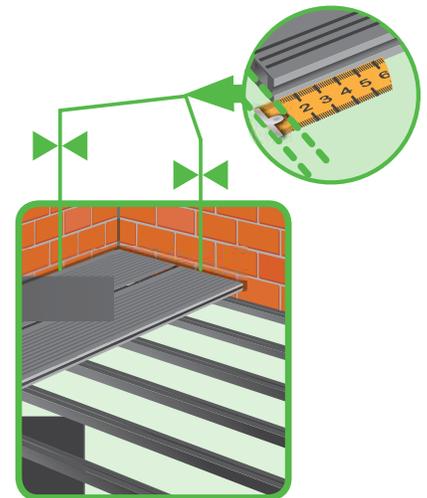
- Important: The first platform wood should be even and fixed tightly.

- Place the fastener to the corrugated side of the platform wood.

- Align the centre of the joist and fastener screw hole, continue longitudinally for each joists.



Note: When installed correctly the fasteners will provide 4mm space.



- When the flooring leans to a wall, you should provide a space at least 1cm

### ARK295

#### Flat-bottomed Fastener

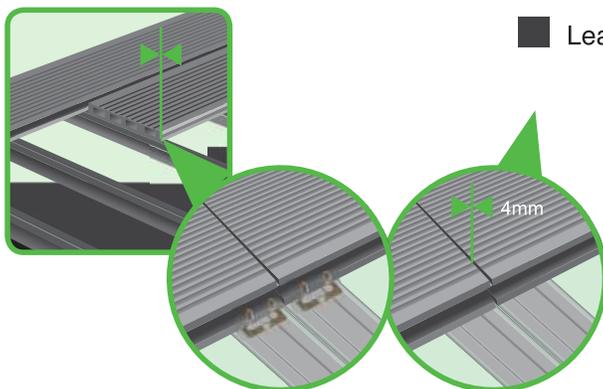


Each standard within a certain package amount of the flat-bottomed fastener ARK295 is located. In this fasteners the corners and fasteners diagonally to throw that remains is for you to use in the field.

## JOINTING SPACES

- Use two joists while join of decks and use fastener centered for each deck profiles.

- Leave space at least 4mm from end to end on decking boards.

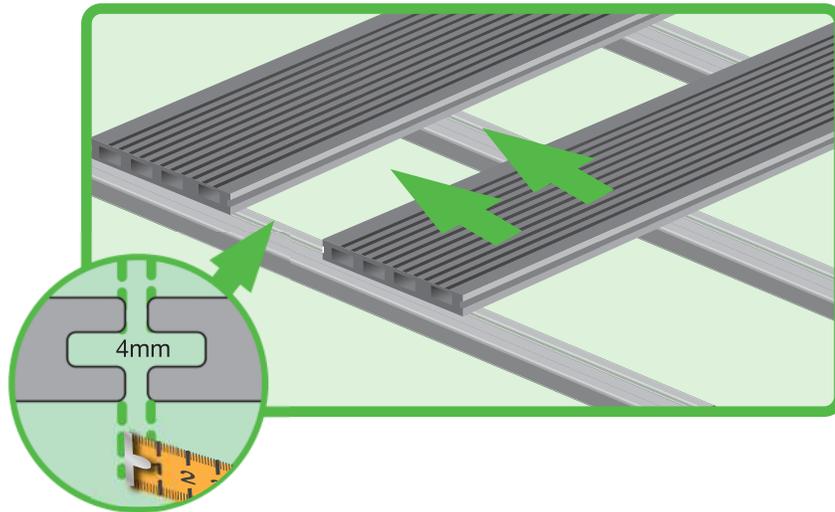


You should leave spaces both from end to end and from width to width for Ardeck floorings. The space is required for slight thermal expansion, shrink and discharge of flooring woods. The space also will enable the joist system to shrink.

All the floorings require air circulation for staying dry and having a good appearance. Leave spaces between the floorings to improve the air flow

When the recommended connection elements are used, the placement of these connection elements shall establish the determined space size.

## INSTALLATION OF SECOND DECK



- When the next flooring wood is on its exact place on the joist, push the woods with sufficient power to place fully on the fastener.
- Check the spaces between the woods. fully inserted fastener impact buffer will provide 4mm space.

- Once you make sure that every connection clip has been fully and appropriately fitted on both deck side and joists surface, tighten the screws.

## INSTALLATION OF LAST DECK

### ■ ARK777 Stop Clip



Once you have fitted the final board, mount the final clip in the middle part of each joists and drill the clips using a drill with a bit suitable for 45° angle, then screw the hole you have drilled.

### ■ 45° Angle with screw



After placing the end clip to each joist as to the middle of the joist, perforate with suitable drill at 45° angle Screw

### ■ Screw on the top

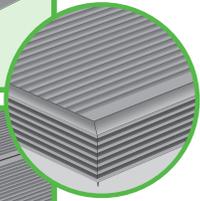
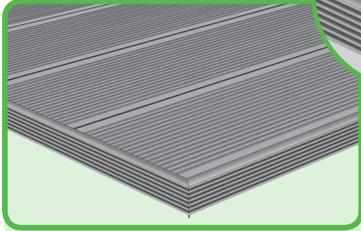
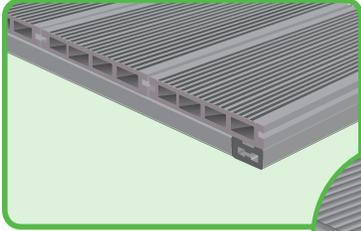
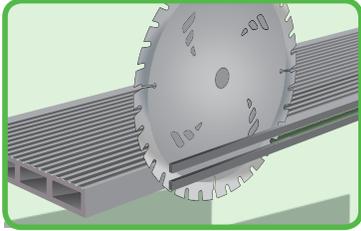


Once you have fitted the final board, drill the Deck in the middle part of each joists using a drill with a bit suitable for 90° angle, then screw the hole you have drilled.

## SIDE COATING

Once the mounting works for all floor boards have been finished, the following methods can be used to fill in the open sides depending on the appropriateness of the application area.

Providing a plain side by cutting the joints.

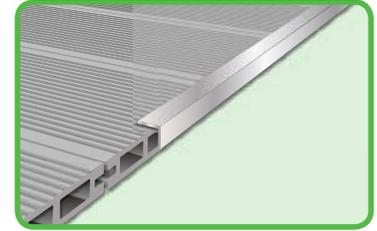
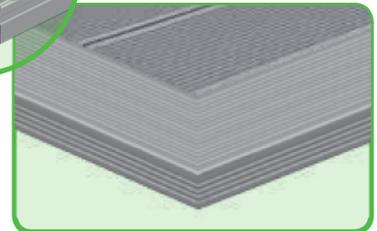
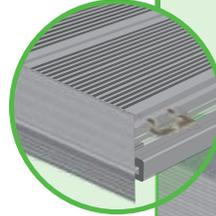
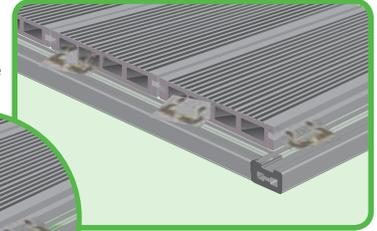


Closing off the edge with the edge profile of the screws so as not to void intervals for the joist, joists parts in the picture with a short fill.

Providing side coating by 6010 profile

Providing side coating by 14054 corner profile

Use extra joist and metal fasteners when you use corner profile



Providing side coating by alu L profile

## CALCULATE OF COMPONENTS QTY



You can estimate the required fittings as the following. The numbers given are average amounts obtained from general applications. They can differ in some applications.



The joist system is a buffer between the floor and Ardeck flooring system. The discharge angle, access and air flow are important. The water should run through the flooring. Access to beam system is required for the repairs and removal of accumulations that may form in time. A good air circulation will keep the flooring at a dry and good condition. When Ardeck is used with joist system, it should definitely be supported from the bottom.

If to be used for terrace or balcony coating on buildings, the correct angle should be provided to the discharge direction for easing the discharge.

For the joist system practices on which an extreme accumulation may happen (for instance balconies, patios etc. covered areas), the beams to be under pressure shall have 3,0 cm height and 4mm minimum joint spaces between the floorings. These areas shall be designed to enable the correct discharge. at least 5mm space is required while leaning to walls or other fixed objects.

Non-compliance with the terms stated in the Mounting Guidelines would exclude your products from the scope of warranty. Please comply with the mounting guidelines in order to use your products soundly for a long time and to include them in the scope of conditional warranty of Arline.