YEED

Installation Guide

Adjustable pedestals for outdoor slab decks

YEED

ADJUSTABLE PEDESTALS FOR OUTDOOR SLAB DECKS

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How to build a deck on adjustable pedestals

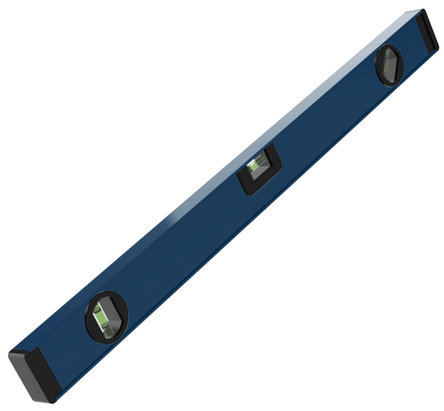
This installation guide explains all the steps to install your deck with adjustable pedestals.

You will find the list of the necessary tools as well as the different phases of installation.

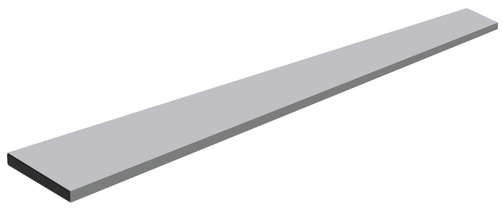
You will also find tips and advice from professionals to easily build your deck!

Tools Needed

Before starting your work, make sure you are well equipped !

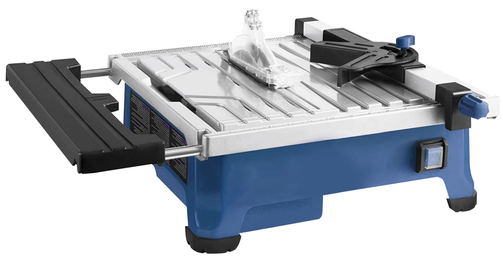


Spirit level



Mason rod

Chalk line



Water saw

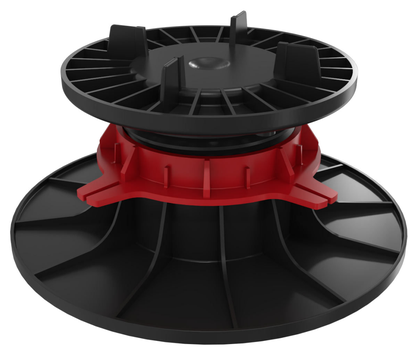
Slab holder

Lazer

Isolation pad

Materials and accessories

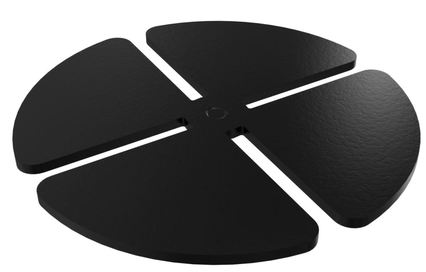
Take the list of requirements for a proper completion.



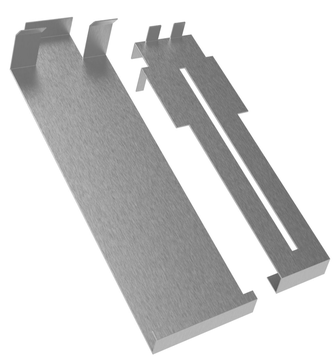
Paving adjustable pedestal

Geotextile felt

Slab Plate



Vibration buffer



Lateral support

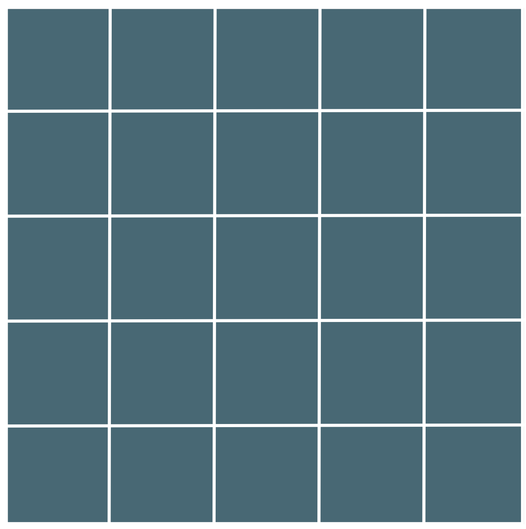
Slabs

Requirements

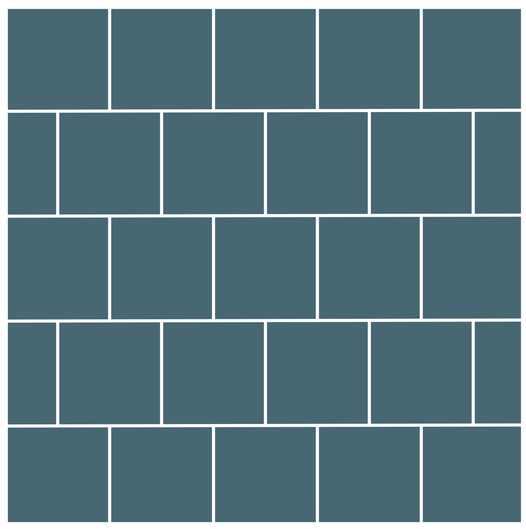
1. Define the type of Installation

There are several ways to lay a slab covering: straight, diagonal and staggered.

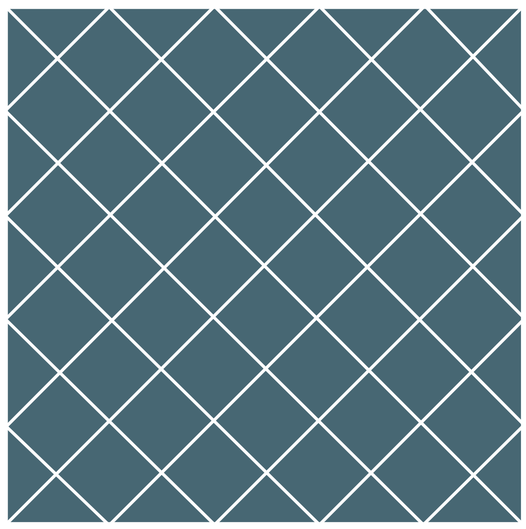
Straight



Straggered



Diagonal



2. Carry out the layout

This step consists in making a detailed plan reproducing the assembly of the different elements at a reduced scale. This step allows us to define the location and the number of tiles needed. It will then be possible to determine the quantity and height of the pedestals to be used.

Tip: Make a plan to scale, define the surface and what you want to put on it. To realize the layout of your terrace, it will be necessary to take into account the shape of your house as well as the heights available at the thresholds of doors and windows. You will then be able to define the quantity and size of the pedestals to use.

3. Compatible floorings

The installation on pedestals requires the use of a covering with a minimum thickness of 2cm. It is possible to use tiles (porcelain stoneware), concrete slabs, reconstituted stone or rectified natural stone (5cm thick).

N.B : Always check the implementation method recommended in the manufacturers[9] product sheets. In the case of installation on adjustable pedestals, the passage of vehicles is strictly prohibited.

This installation method allows to obtain a regular spacing, without joints, of 3mm between slabs thanks to the thickness of the fins located on the head of the pedestals.

Prepare the ground

1. Installation on a concrete slab basis or existing terrace

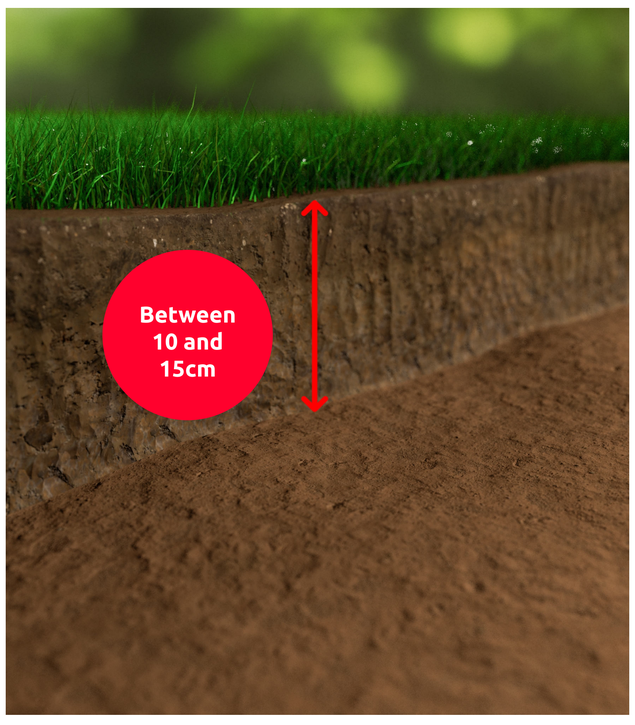
In this case, the installation of the pedestals does not require any additional preparation since the surface of the terrace is already stable. **Remember to check the available heights at the thresholds of doors and windows according to the thickness of the covering.**

2. Installation on a raw floor

In the case of an installation on a raw floor, it is necessary to obtain a flat and stable surface. Therefore, you will need to perform the following preparation steps:

Step 1

Dig the ground (size of the height of the pedestals + thickness of the tiles + shape⁹s bottom). It is important to allow between 10 and 15 cm.

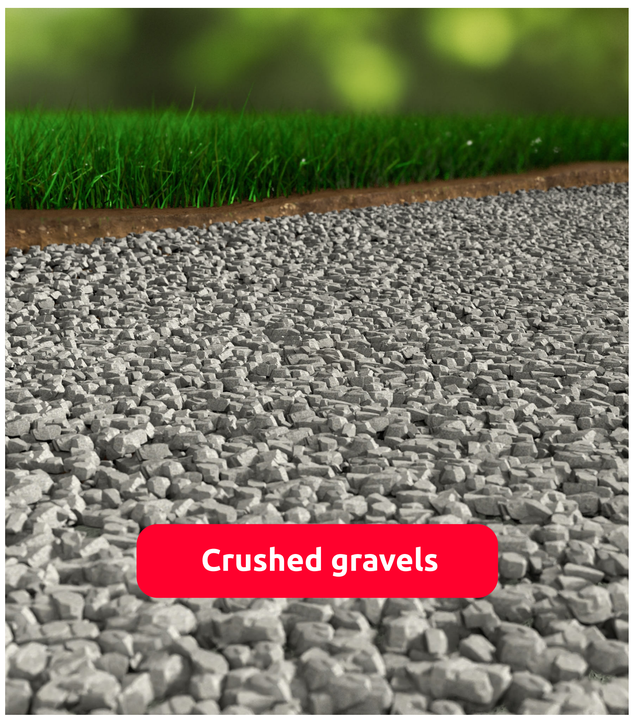


Step 2

Place a geotextile over the entire surface to prevent the growth of weeds.

Step 3

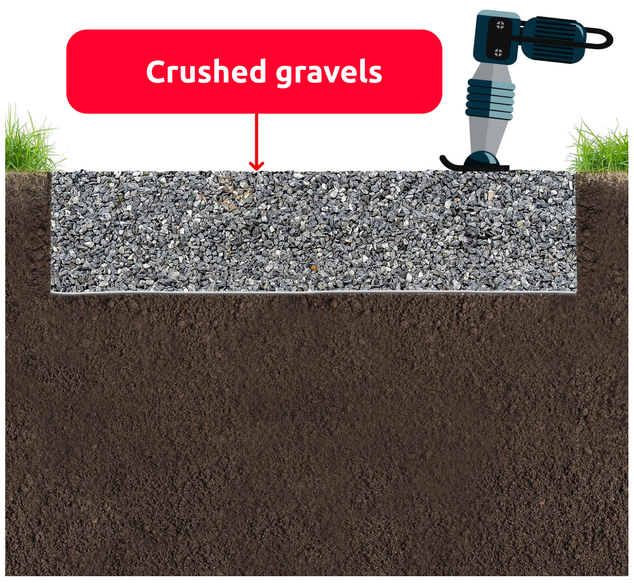
Cover with crushed gravels: grading 0/60mm on 10cm and 0/4mm on 5cm for the finishing layer.



Step 4

Compact the gravel floor to obtain a flat and stable surface.

Keep a slight slope (1.5%) to allow for proper drainage of rainwater



Step 5

Check the flatness of the surface with a spirit level or a laser.

Quantity of pedestals

Quantity of pedestals /sqm

- **DIFFERENT TYPES OF PAVEMENT** (concrete slabs, gratings, porcelain stoneware, rectified natural stones..)

Information : The calculation table is approximate and based on a square or rectangular deck and a straight installation.

PAVING PEDESTALS		Ground surface						
Type of laying	Tiles Dimension	20sqm	40sqm	60sqm	80sqm	100sqm	200sqm	1000sqm
		Number of pedestals / sqm						
1 pedestal / corner > Refer to the classic layout in the next page	40 x 40	7.7	7.4	6.9	6.8	6.8	6.6	6.5
	45 x 45	6.5	6.2	6	5.7	5.7	5.5	5.1
	45 x 90	6.5	6.2	6	5.7	5.8	5.5	5.1
	50 x 50	5	4.7	4.6	4.5	4.4	4.3	4.1
	60 x 30	7.5	6.8	6.4	6.3	3.2	3.1	2.9
	60 x 60	4	3.8	3.3	3.4	3.2	3.2	2.9
	75 x 75	2.8	2.4	2.3	2.3	2.3	2.1	1.9
	80 x 40	4.2	4.2	3.7	3.6	3.6	3.6	3.3
	80 x 80	2.4	2.2	2.1	1.9	2.0	1.8	1.7
	90 x 60	2.8	2.5	2.4	2.4	2.3	2.2	2.0
	90 x 90	6.2	5.7	5.2	5	4.8	4.4	4.2
	30 x 120	7.5	6.8	6.4	6.3	6.3	6.1	5.8
	40 x 120	5.5	5.3	4.8	4.7	4.7	4.6	4.4
	60 x 120	4	3.8	3.3	3.4	3.2	3.2	2.9
1 pedestal / corner > Refer to the reinforced layout in the next page	60 x 60	6.5	6.4	6	6	5.8	5.8	5.6
	75 x 75	4.3	3.9	4	3.9	3.9	3.8	3.7
	80 x 40	7.4	7.2	6.7	6.7	6.6	6.6	6.4
	80 x 80	3.9	3.7	3.5	3.4	3.4	3.3	3.2
	90 x 60	4.3	4.1	3.5	3.4	3.4	3.3	3.2
	90 x 90	10	9	8.3	7.8	7.6	6.8	6.4
	100 x 100	7.9	7.3	7	6.2	6	5.6	4.9
	60 x 120	4.6	4.4	4.0	4.0	3.9	3.8	3.6
	120 x 120	4.6	4.4	4.0	4.0	3.9	3.8	3.6

The quantity is given as an indication. This document is not valid as a commitment. Always follow the installation recommendations of the coating manufacturer in order to define the number of pedestals required per m²

Designation of "self-supporting" slabs required, class T7 or T11 according to the NF EN 1339 or F+ designation class according to the CSTB QB 32 reference

Layout the pedestals

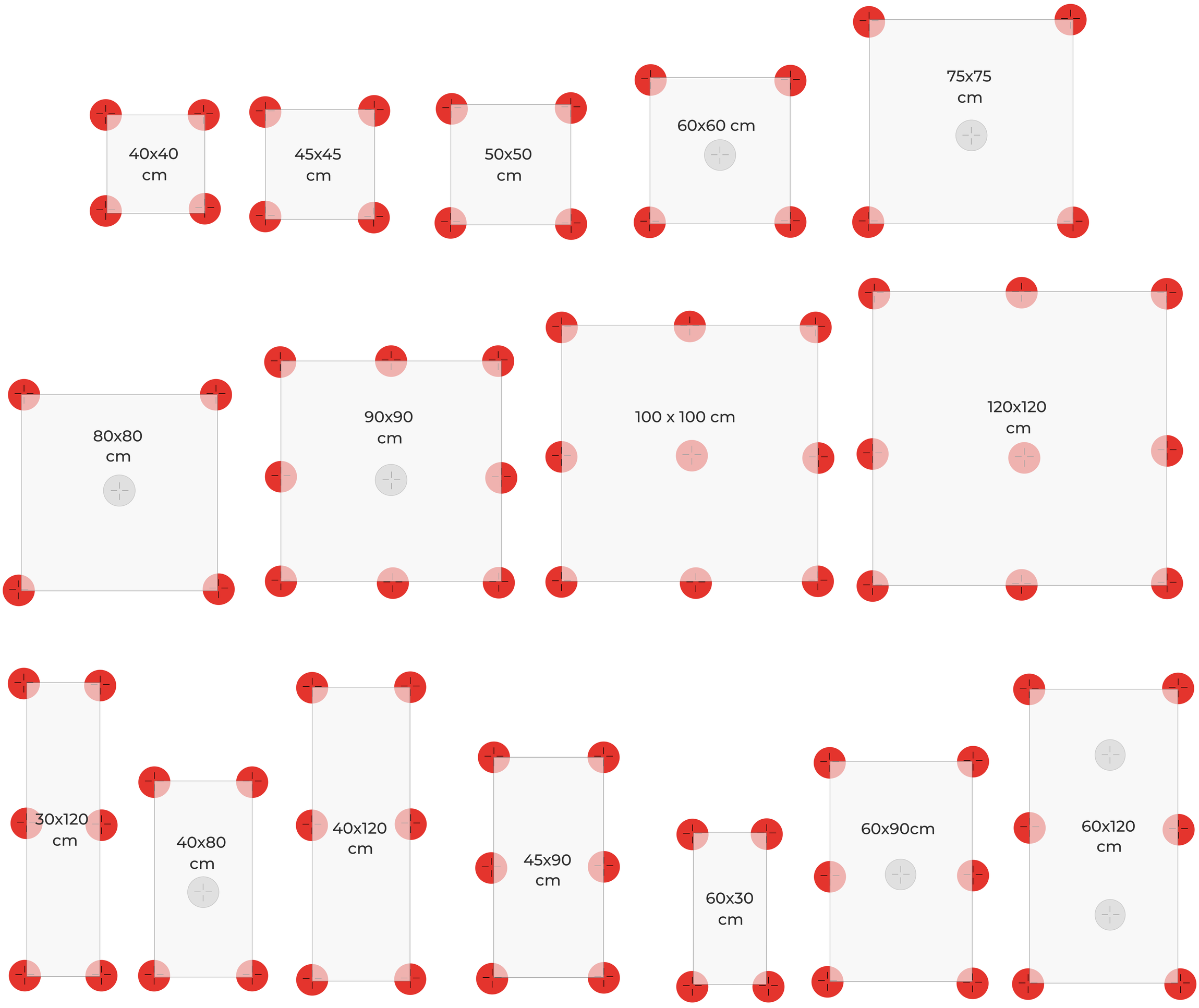
1. Define the number of pedestals by tile

The quantity of pedestals required depends on the size of the slabs used. Generally speaking, 1 pedestal per corner is needed, or 4 per slab. It is possible to add a 5th stud in the center of the slab in order to reinforce the structure or in the case of large slabs, in this case, you just have to break the fins located on the head of the pedestals.

Legend

Classical layout

Reinforced layout



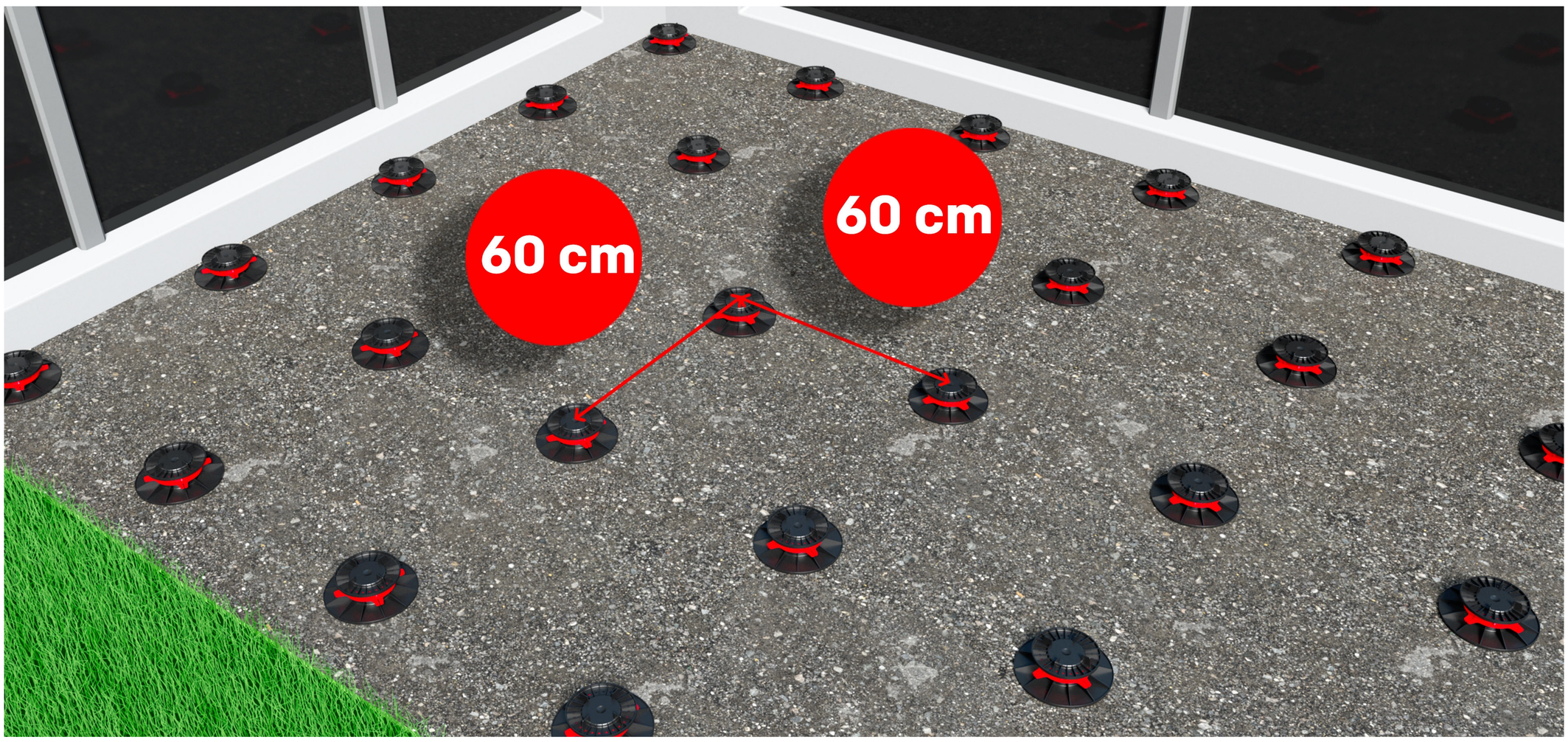
Layout the pedestals

2. Place the pedestals on the surface

Start by placing the pedestals along a wall, spacing them by the width of the slabs along the entire length. If the terrace is not adjacent to a wall, start at the limit of the surface to be covered (see diagram on p.6).

Step 1

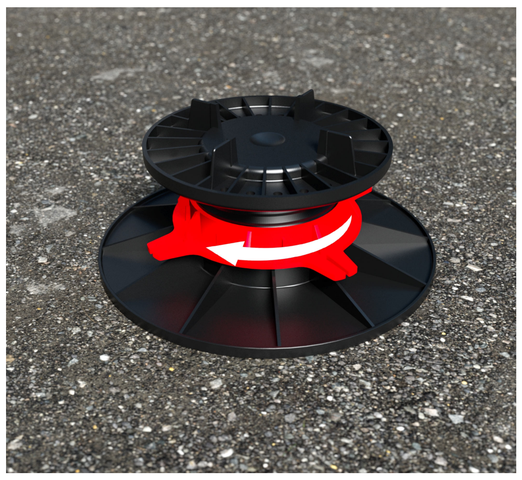
Place the pedestals on the ground, spacing them according to the size of the slabs (minimum 60X60 cm). Create rows of pedestals to cover the entire surface to be tiled. For tiles of other dimensions, refer to the table of the number of pedestals and the diagram on pages 5 and 6.



For pedestals located against the front of a wall or on the edge of a terrace, place a slab plate on the head of the pedestal in order to stabilize the covering laid at the ends. Refer to step 1 of point 3 « laying the slab flooring ».

Step 2

Adjust the height by turning the red ring. The adjustment is made to the nearest millimeter.



Tip: If your floor is on a slope, use a self-leveling disc that can take up to 5% of the slope over 1 meter. This accessory can be used from the 40/60mm size pedestal.

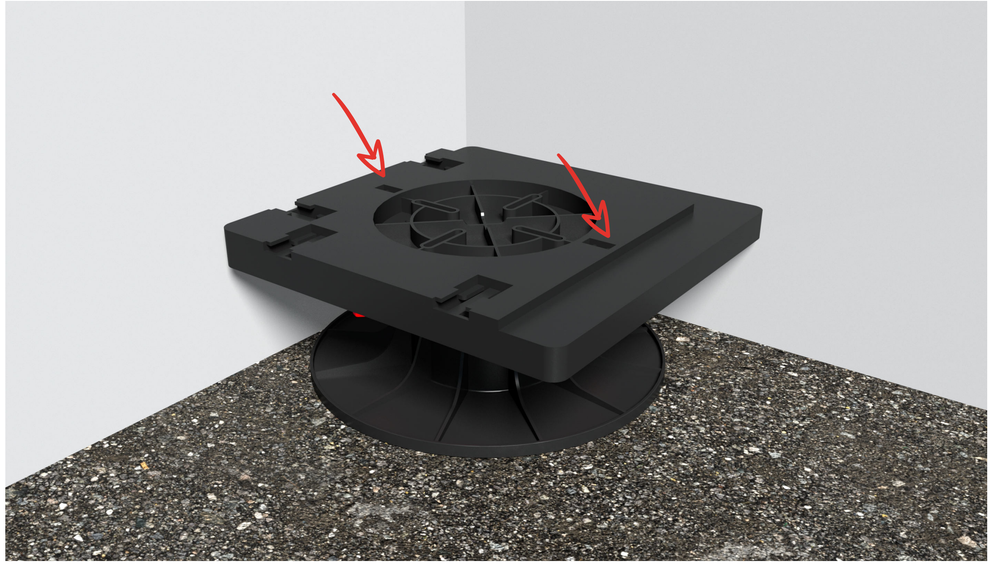
Lay the flooring

3. Installing the tile flooring

Step 1

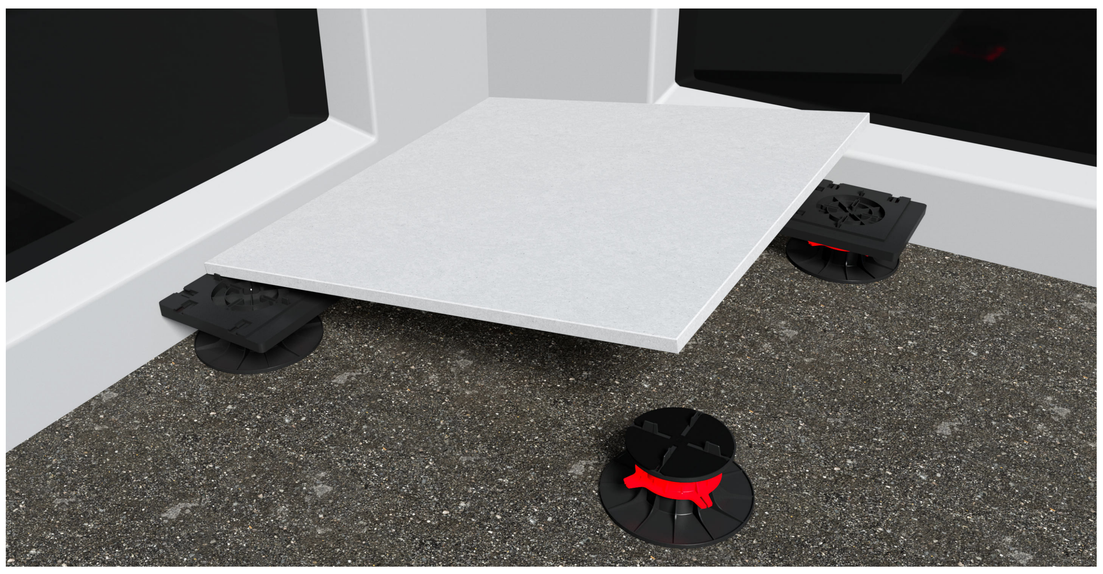
First, place the slab plates on the pedestal⁹s perimeter and against the walls, then put a vibration buffer on the top of all pedestals and slab plates.

Step 2



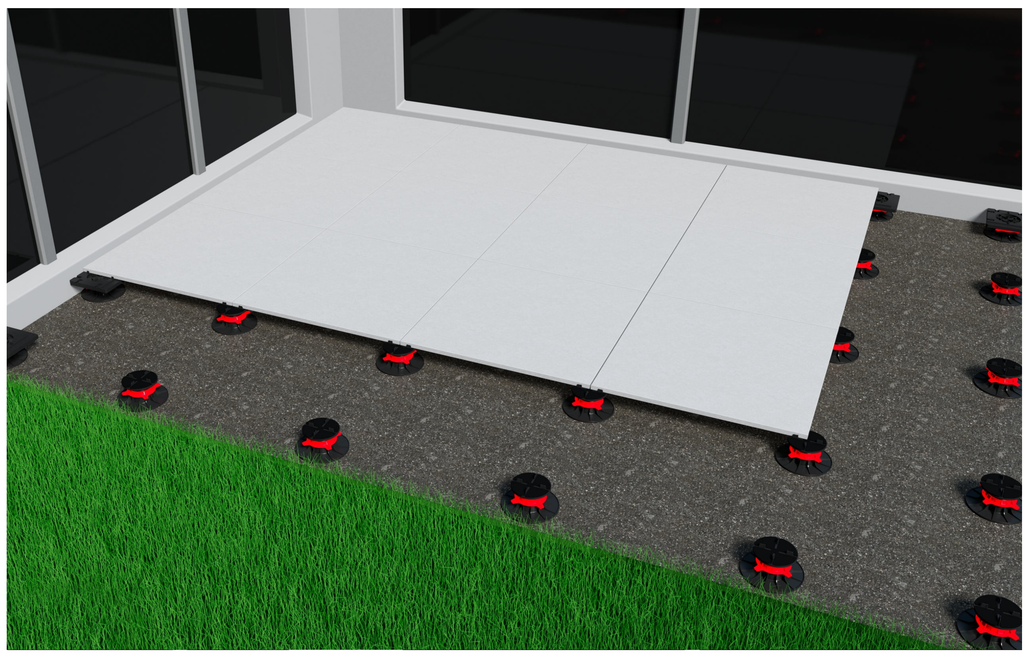
For the pedestals located in the corners of the walls, remove the 2 lugs located on the slab plate.

Step 3



Place the slabs on the periphery and check the squareness of the installation in order to facilitate the installation of the other slabs.

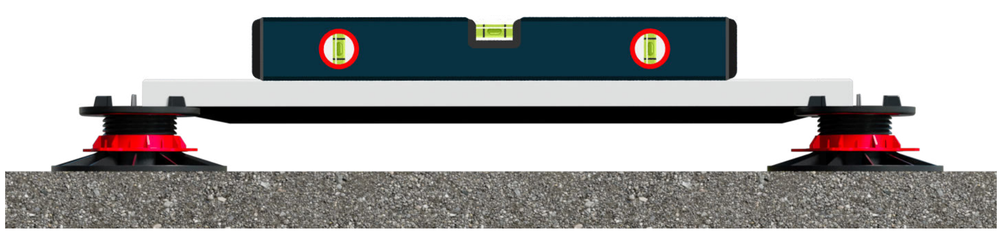
Step 4



Continue to lay the remaining tiles, stopping before the last row of pedestals.

Step 5

At each installed tile, check the position with a spirit level.

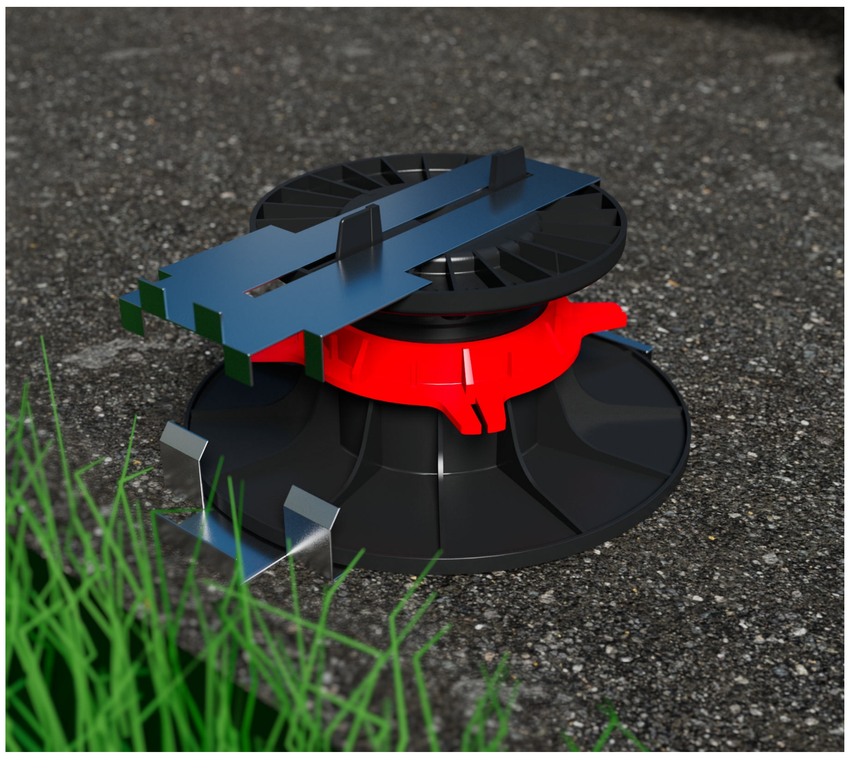


Lay the flooring

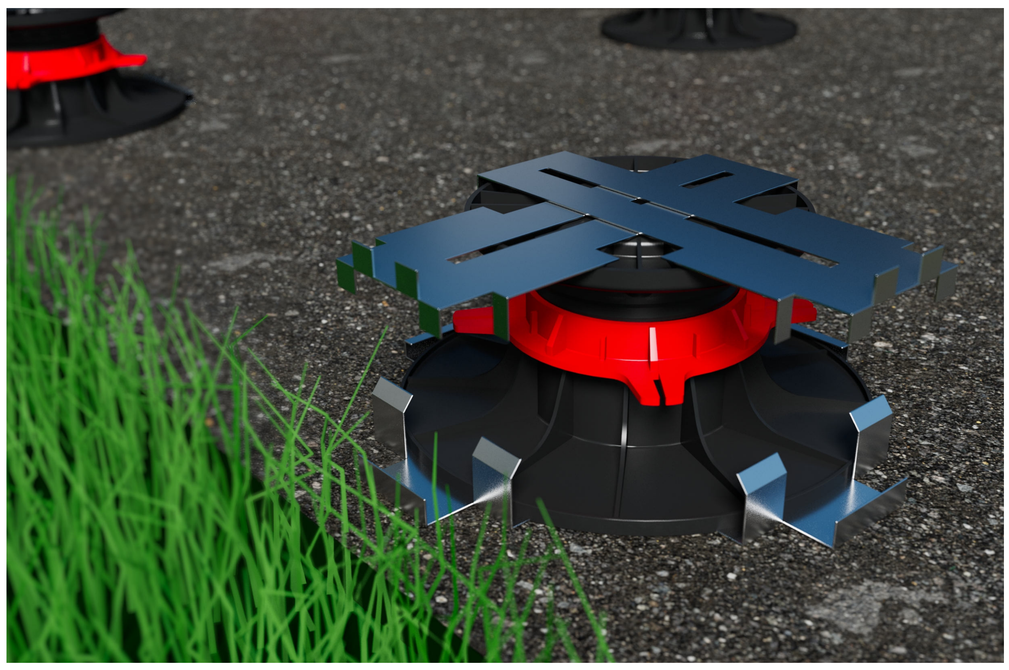
3. Installing the tile flooring (next)

Step 6

Install the lateral closures (if needed in your installation). For the pedestals at the end of the terrace, use the YEED clip system: break the 2 lugs of the pedestal and place the top clip on the head, then clip the bottom clip under the base of the pedestal.

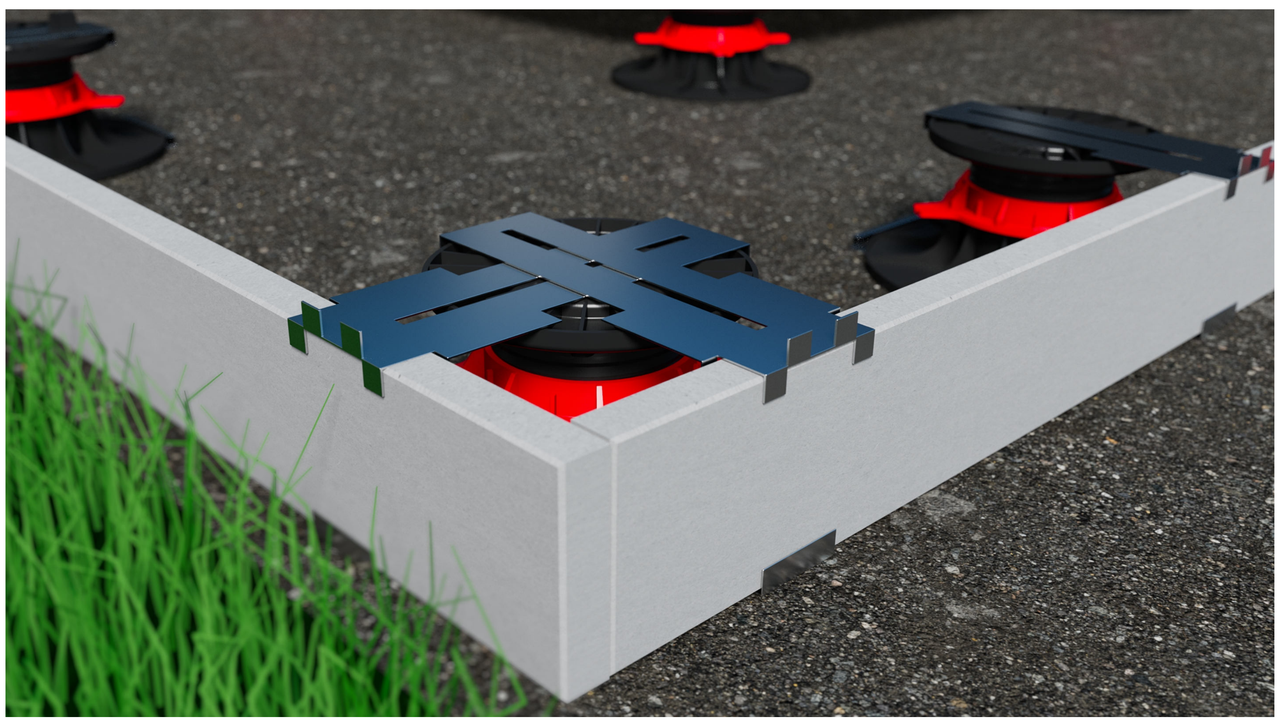


Tip: To install the YEED clip system in a corner of the surface, break the 4 lugs of the head of the pedestals and superimpose 2 top clips by crossing them.



Step 7

Tip:
Use polyurethane glue between the YEED clip system and the closing tiles.

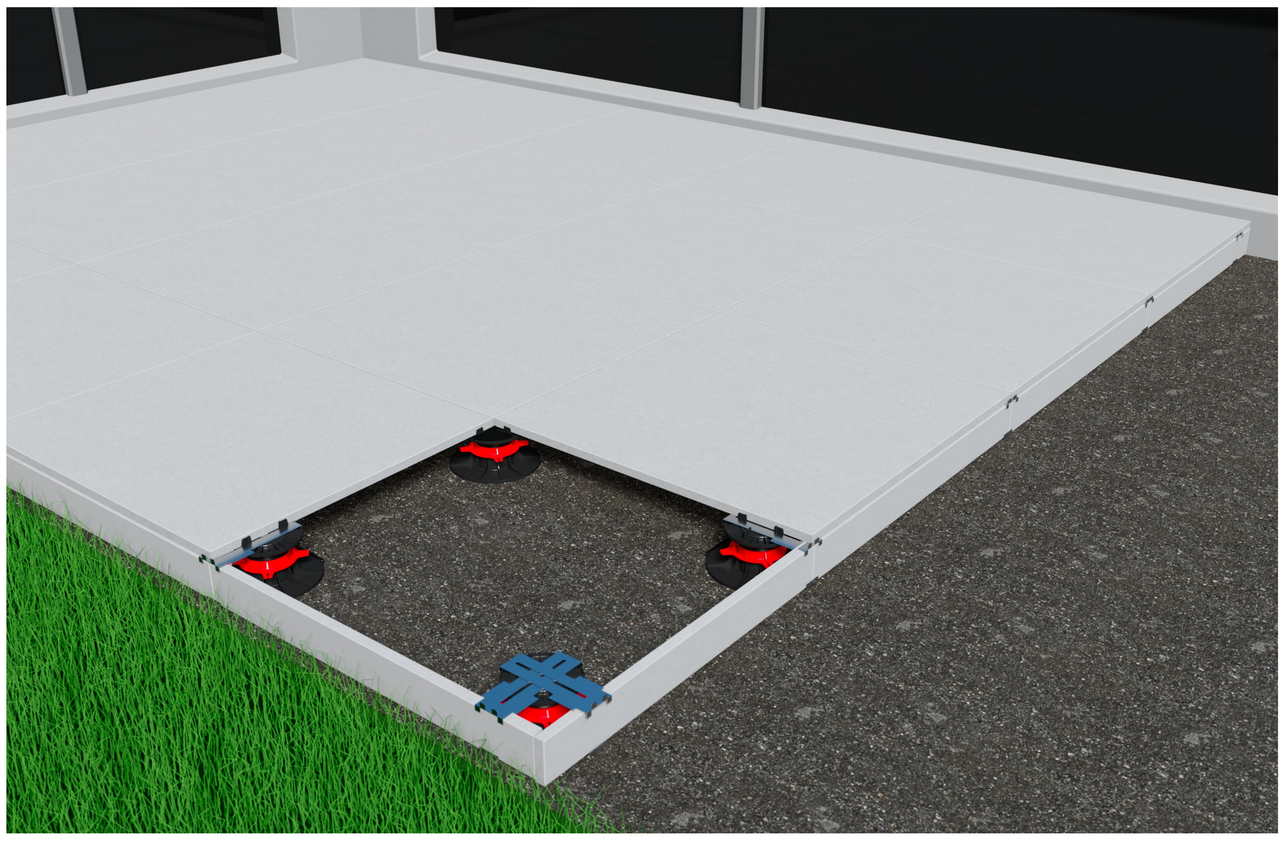


On the end boards (cut beforehand), slide the tiles between the top clips and the bottom clips of the YEED Clip System.

Lay the flooring

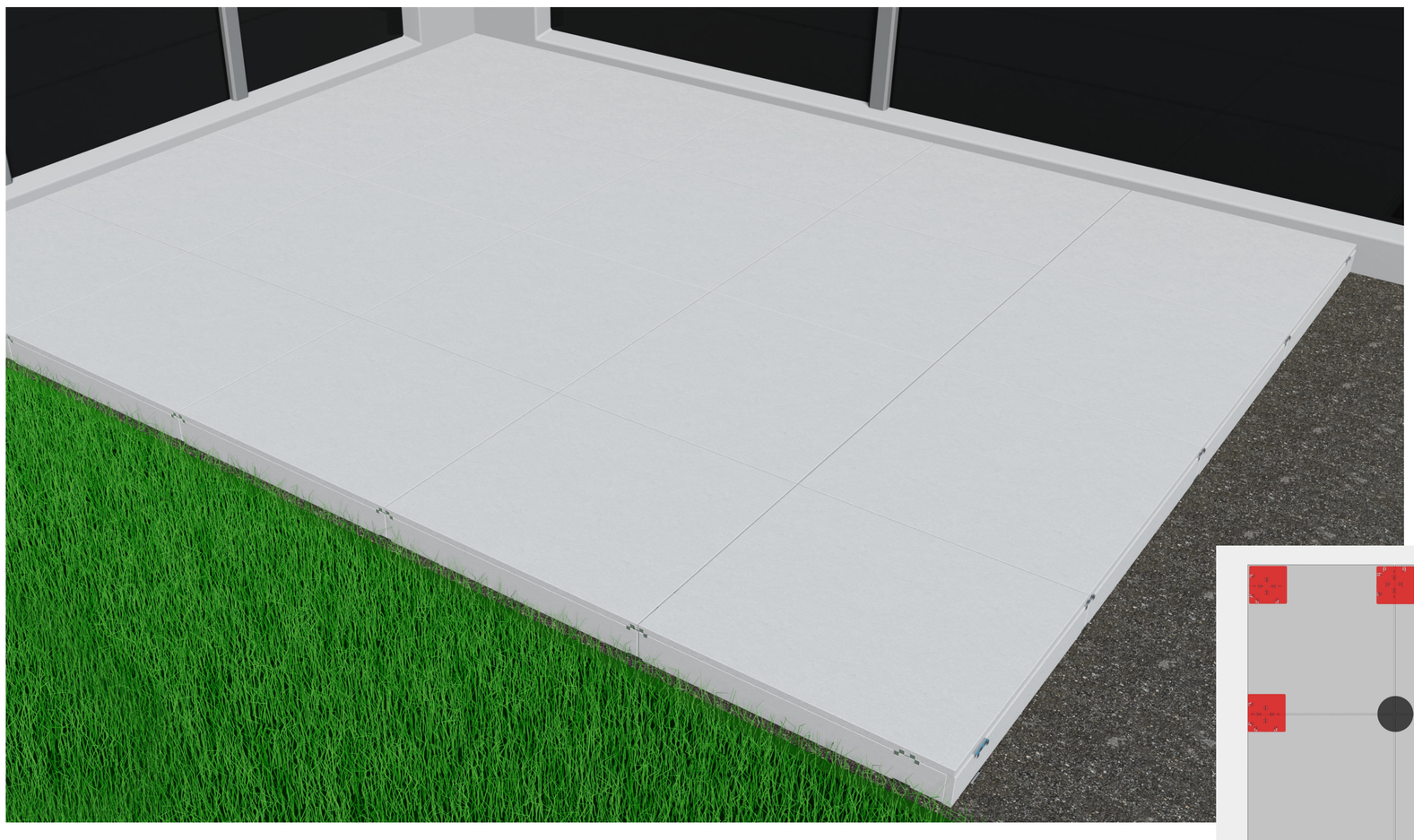
3. Installing the tile flooring (next)

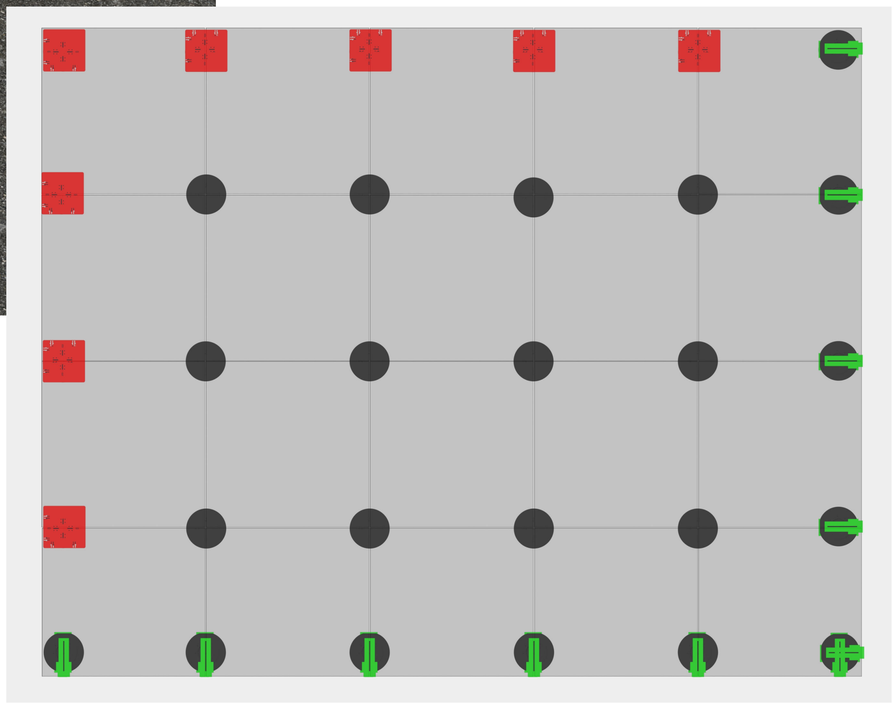
Step 8



Arrange the remaining tiles and finish with the corner.

Step 9





Note: It may be necessary to cut the last tile across its width. In this case, use a water saw with a disc adapted to the tile.

Maintenance & advantages

1. Maintenance and cleaning

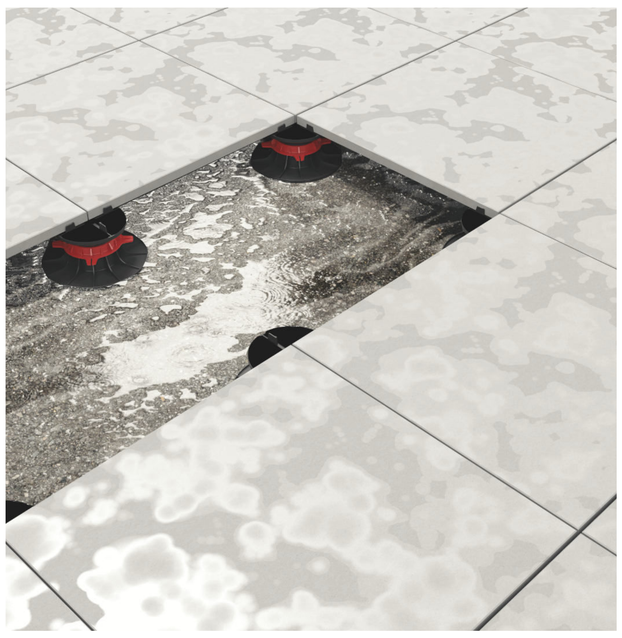
The cleaning of the terrace enables to eradicate the development of molds or mosses and thus to prevent the slipping of the coating. We recommend that you clean your deck twice a year with a stiff brush, a water jet or a high pressure cleaner.

2. Advantages

• **Ease** of assembly

• Possibility to hide **cables and connections**

• **No structural work,** no fixation



• **Easy water evacuation**

• Easy to **install and perfect aesthetics**

3. Characteristics

• Resistance to **extreme temperatures and atmospheric agents**

• **Robustness and sustainability** (bear up to 1 ton/pedestal)

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