

CLEMAN® RISER PEDESTAL



Suggested use

- › Precise adjustments : riser can be either handly adjusted or with the JOUPLAST® adjusting key once slabs are laid on.
- › No ground preparation.
- › Fast and easy installation.

Products for terraces and patios for pedestrian use only

RECOMMENDATIONS

Consult with paving manufacturer to ensure compatibility with riser system and to check quantity.

QUANTITY RISER/M² : DEPENDING ON SLAB MANUFACTURERS'ADVICE, PLEASE ADD ONE RISER IN THE MIDDLE OF THE SLAB, OR UNDER WIDERLENGTHS.

› DIRECTION OF LAYING

From an aesthetic perspective, it is better to lay cut slabs against walls (whole slabs on the outside).

› LAYING ON A ROOF TOP.

› ON A CONCRETE BASE, A SLIGHT INCLINE OF 1% IS RECOMMENDED FOR DRAINAGE.

› ON A CONCRETE BASE, USE AN ISOLATION MAT UNDERNEATH THE RISER.

› REALISATION OF A TERRACE WITH CLEMAN® SELF-LEVELING RISERS :

We recommend the installation of a row of Cleman® standard risers on the opposite facade instead of self-levelling risers in order to stabilise the slabs at the thresholds of doors and patio doors.

If and only if the side finishing of the terrace is not planned or impossible, we also recommend the installation of a row of Cleman® standard risers on the edge to stabilise the slabs.

When lateral covering is possible, the slabs glued to the side finishing plate and the lateral riser support provide the necessary support to block the riser head.

GLOSSARY

LAYOUT PLAN:

This is drawing, on a plan or elevation, of the arrangement of elements of defined shapes to form a pattern, compose an assembly, cover a surface or fill a space.

Safety first!
Use protective glasses and safety gloves



Minimal tools required:

- A level

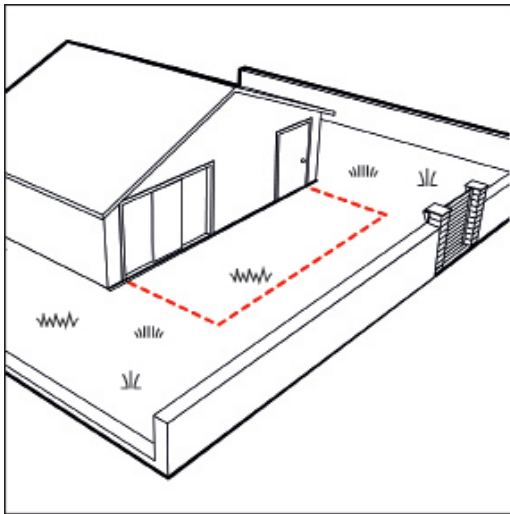


Advices from the Pros

Also recommended :

- Masonry ruler
- Chalk or line marking spray
- A slab grad
- A wet saw
- A laser
- A vibrating plate

STEPS



1

DEFINE THE AREA

› Firstly, define the area for the installation of the terrace.



Pro Tip

› Before starting check your pattern : tiles cuts, spacing ...

2

SITE PREPARATION

2 possibilities :



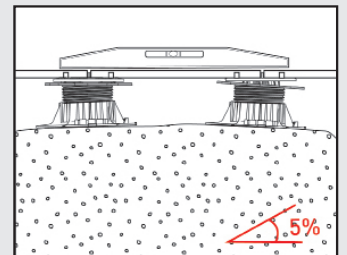
Pro Tip

› Ensure area is clean and the ground stabilized. (Sweep the ground removing stones)

Onto the ground :

› Excavate 15 cm of soil.

› For slopes up to 5%, it is not necessary to correct the level. Use the self-levelling riser, which will correct this slope for a level terrace.



› Lay a geotextile on the subbase.

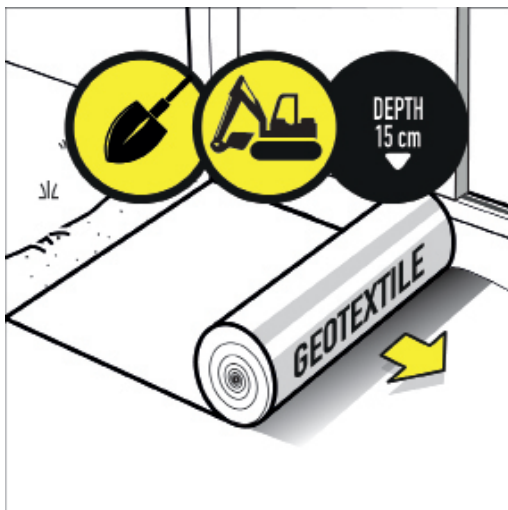
› Drop a 15 cm draining layer made of 30/60 ou 40/80 crushed gravels.

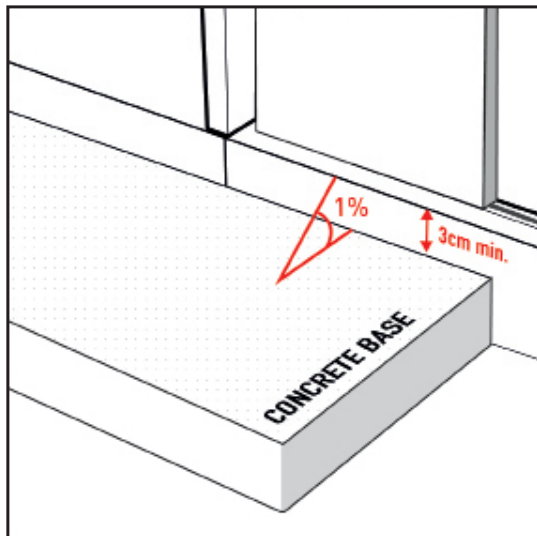
› Compact with a vibrating plate.



Pro Tip

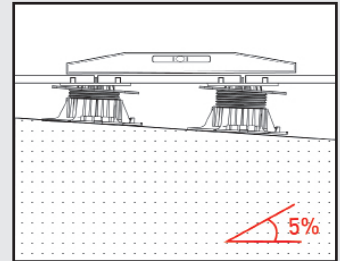
› During earthwork and according the type of the soil, a 2nd layer (Upper foundation) can be done. Lay a geotextile and drop a layer of 5/15 gravels.





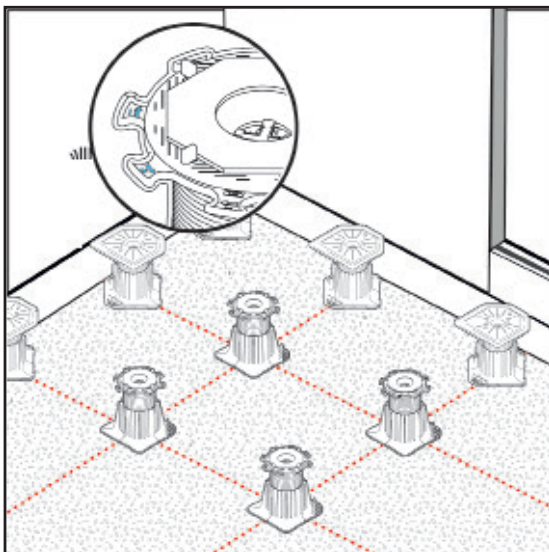
On a concrete base :

- › Check the available heights at the door or window sills.
- › If the slab is uneven, use the self-levelling riser to offset slopes up to 5%. It can also be used in the case that the slab has rough patches.



Pro tip

- › On smooth concrete base, add an isolation mat underneath the risers.



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RISER POSITION

- › Lay directly the riser onto the surface according to the pattern layout*.



Pro tip

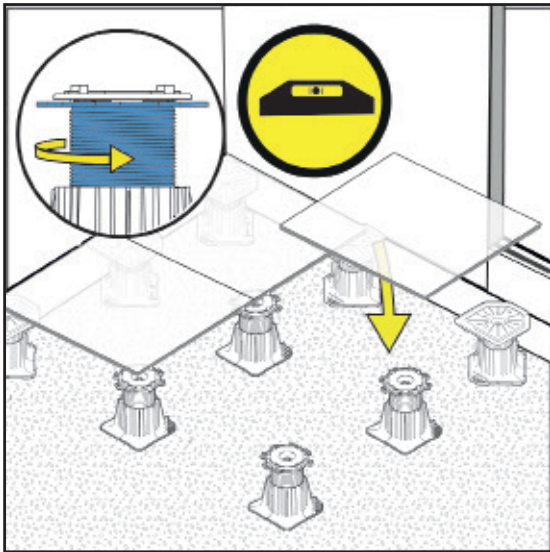
- › Risers may be pre-adjusted.
- › A chalk or line marking spray can be used.

* See Glossary

4

TILES, SLABS...INSTALLATION

› Lay the tiles, slabs . Use the spacers to position them.



Pro tip

- › For a staggered tile installation, the spacers can be easily split.
- › Use a laser to check the height.



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HEIGHT ADJUSTMENT

› Use the nut on the pedestal to simply adjust to the desired height.

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TERRACE FINISHING

Place the risers around the perimeter of the terrace, making sure that the lateral supports riser are pointing towards the outside.

Several finishes are possible with Cleman® side finishing plate.

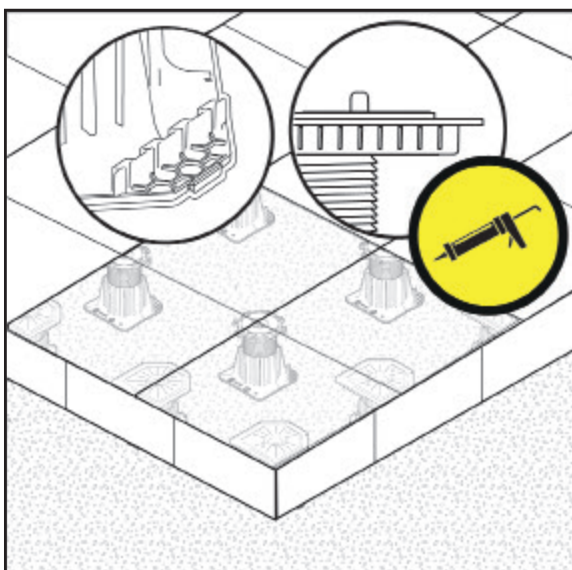
- › Clip the side finishing plate onto the top of the riser.
- › Apply PU glue to the «glue trap» points on the tab of the lateral riser support and on the side finishing plate.
- › Place the side plate in the vertical position against the lateral riser support, pressing firmly at the points where the glue has been applied.

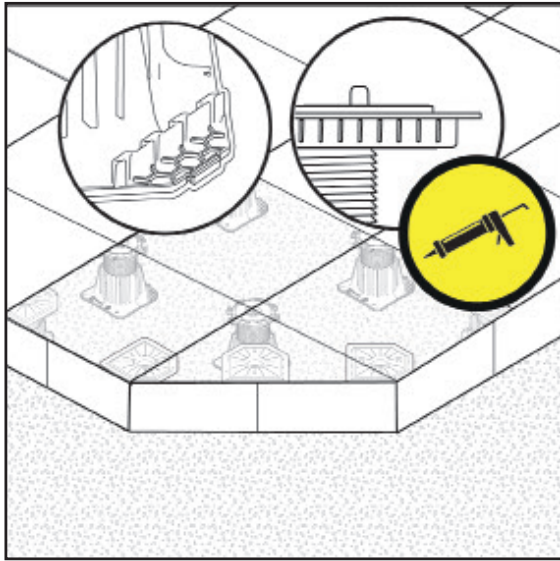
If needed the cleat can be split easily.

› Lay the tiles against the spacers.

Pro tip

› It is strongly recommended to cut side plinth after installation of the upper finishing.





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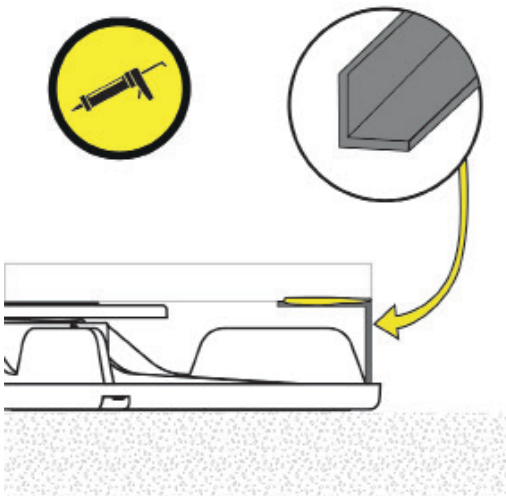
SPECIFIC FINISHING : 45° ANGLE

- › Place the paving pedestals so that the lateral riser supports can be used.
- › Set the side finishing plates on the riser pedestal.
- › Set an intermediary pedestal to support the plinths at the junction point.
- › Apply drops of glue to the finishing plate glue traps and the riser supports. Press down on the plinths so they come into contact with the glue and hold for several seconds. As it dries, the glue will provide a mechanical grip that will permanently hold the plinths in place.

Pro tip



- › For the corners, plan to cut at 45° for plinths at the endpoints in contact with the other plinths at an angle.
- › For an aesthetic finish, cut the plinths to equal dimensions.

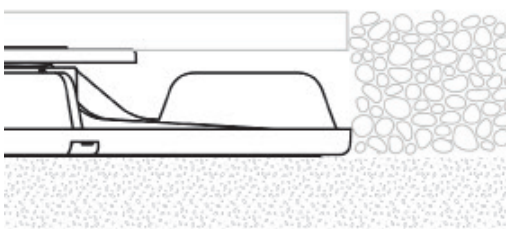


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TERRACE FINISHING WITH LOW HEIGHT RISERS : CLEMAN® 28/40

The height of the risers is too low for terrace finishing with a cut ceramic plinth. Others solutions are possible:

- › Using a PU glue, glue an L-shaped aluminium profile under the slabs on the sides to hide the risers.

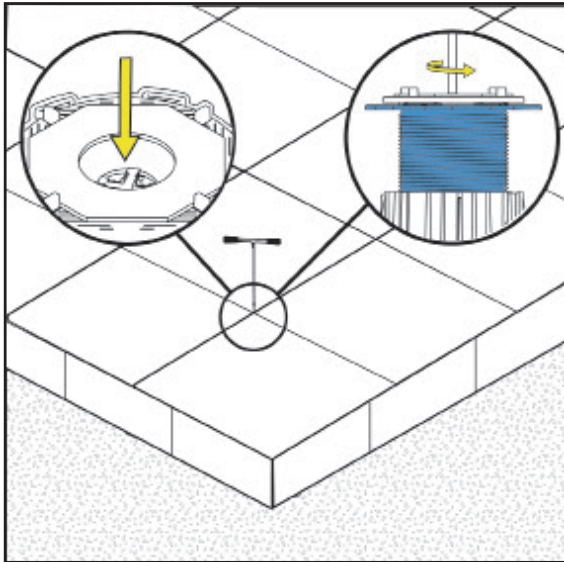


- › Or create a gravel bed around the terrace.

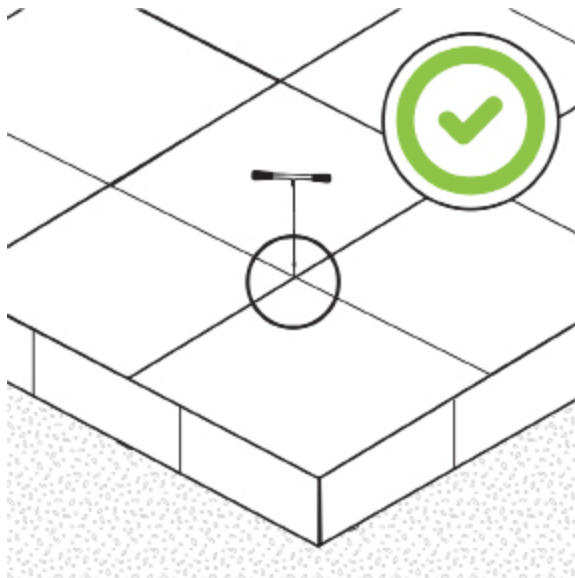
END OF THE SITE

› Once the slabs are positioned, the final adjustments may be made using the Cleman® adjusting key.

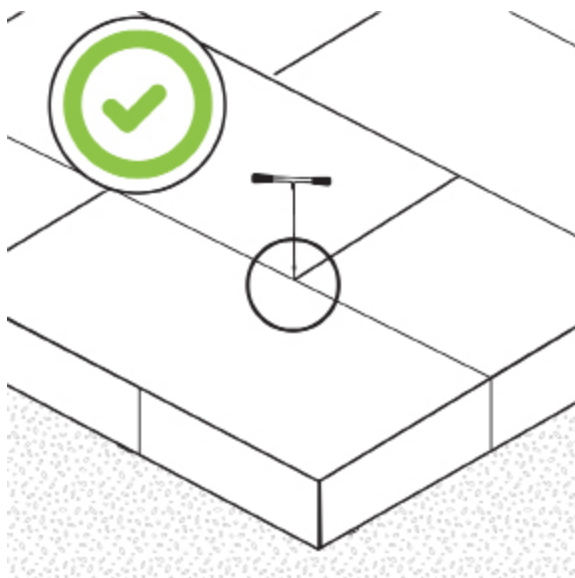
› Insert the wrench where the slabs intersect and adjust by turning counterclockwise to raise the height of the installation or clockwise to lower it.



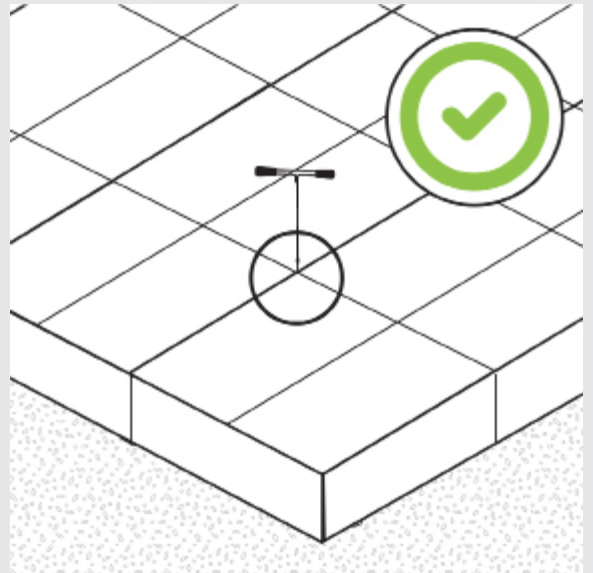
Vertical tile installation - square tiles



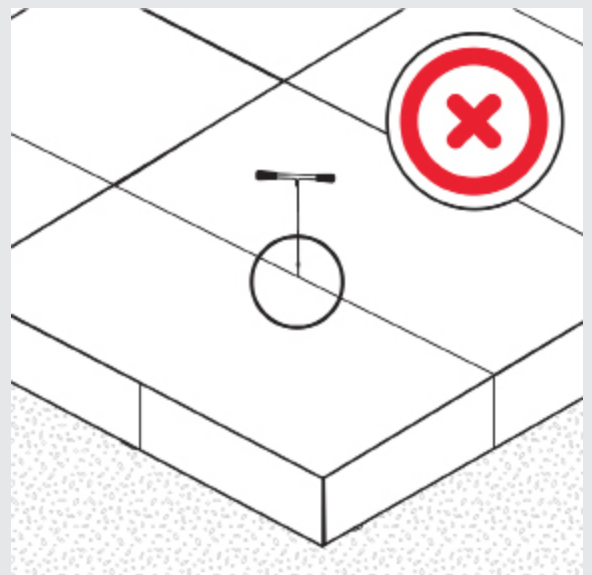
Staggered tile installation



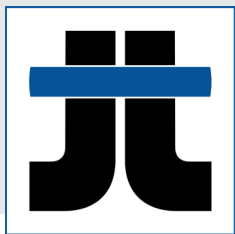
Vertical tile installation - rectangular tiles



Not possible to use the key with the riser pedestal situated on the larger slab side



CLEMAN® RISER PEDESTAL



Jouplast®

 French Manufacturer

Since 1986, JOUPLAST® have been the leading manufacturer of paving and decking riser pedestals. We continue to grow and develop innovative solutions for both the domestic and commercial markets.

The success of JOUPLAST® is down to a combination of great technical expertise, creative design and a desire to manufacture products which meets the needs of the markets.

JOUPLAST® a brand of:



OUR GOAL : TO PROVIDE A FULL RANGE OF INNOVATIVE PRODUCTS THAT
MAKE THE JOB EASIER

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