Installation: BSP

1. Fitting of edge pieces

It will be necessary to remove the tile spacer tabs on top of the plots that are around the perimeter's edge, so that the plot is fully beneath the tile and not on the centre line of the joint.

2. Tile levelling

Place the tile on the support plots. Use a spirit level to check and adjust the height at each bearing point by turning the bases of each of the plots.

3. Creating an edge joint

Use a Perimeter Joint or Perimeter Spacer (accessories) to create edge joints. This ensures that the joint width between the tiles remains constant.

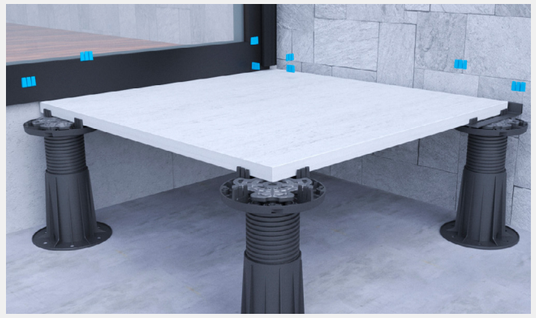
5. Access flooring

This results in a fully accessible surface that allows you to reach lower installations such as drains, electrical wiring, plumbing, etc.

The design and installation of outdoor raised flooring must be carried out in accordance with the UNE EN 12825:2002 European standard, which forms the basis for the specifications of Peygran Raised Floor Support Plots and Peygran Pedestals. It is only recommended to use rigid tiles specifically designed for use in raised flooring and to maintain the spacing between support plots recommended by the tile manufacturer according to the use of the tile. Raised flooring must be designed in a way that ensures that there is limited sideways movement of the flooring. Use Perimeter Spacers at joints with parapets or walls to prevent any sideways movement. In open-sided areas, keep the assembly stable by securing the pedestals to the ground where possible or by using stiffening elements such as metal profiles or linear masonry supports. The edge of the flooring must be immobilised or the whole assembly may become unstable, leading to the collapse of the flooring. In a seismic zone 4, the height of the raised floor must not exceed 250 mm.

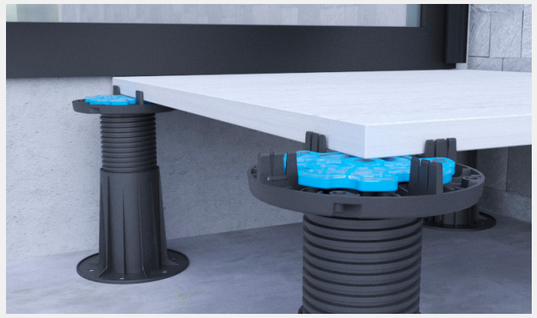
On inverted roofs we recommend using the Xsp Series with a larger footprint. It is not advisable to rest pedestals directly on thermal insulation for roofs with heavy foot traffic and we recommend using a compression layer of mortar on top of the insulation. In all other cases we recommend using CS(10)500 insulation (500 KPa minimum compressive strength according to EN 826) and DLT(2)2 insulation (maximum deformation under load and thermal deformation of 2% according to EN 1605).

Installation: BSP + tilting head



1. Fitting of edge pieces

It will be necessary to remove the tile spacer tabs on top of the plots that are around the perimeter's edge, so that the plot is fully beneath the tile and not on the centre line of the joint.

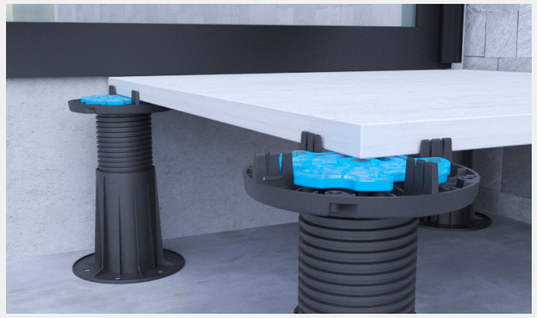


2. Slope correction

The Tilting Head (accessory) works automatically together with the plot and corrects any slopes up to 3%, thus preventing any lippage between tiles.

3. Tile levelling

Place the tile on the support plots. Use a spirit level to check and adjust the height at each bearing point by turning the bases of each of the plots.



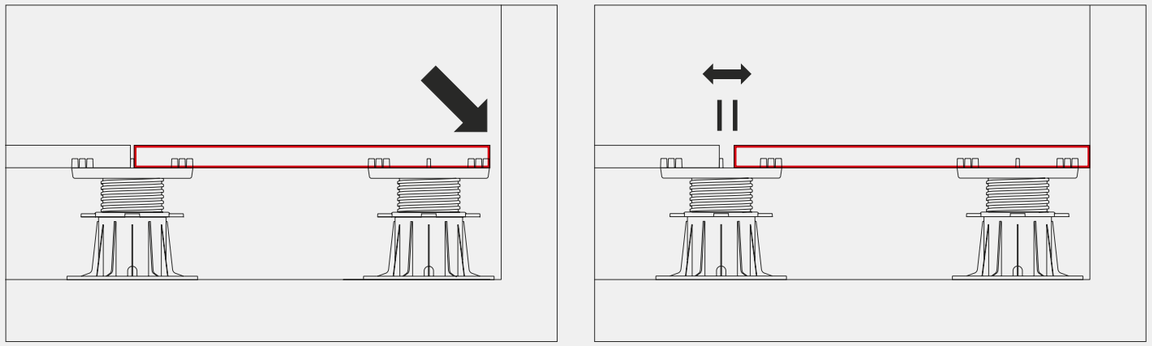
4. Creating an edge joint

Use a Perimeter Joint or Perimeter Spacer (accessories) to create edge joints. This ensures that the joint width between the tiles remains constant.

5. Access flooring

This results in a fully accessible surface that allows you to reach lower installations such as drains, electrical wiring, plumbing, etc.

Installation

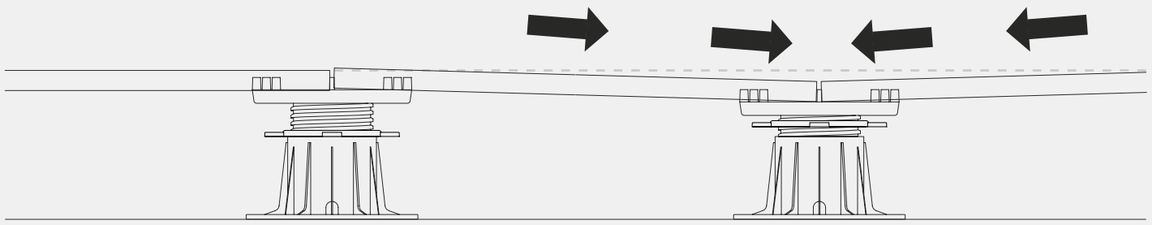


OPEN EDGES WITHOUT DILATORS

The perimeter of the tiles must be perfectly confined to avoid horizontal sliding. Perimeter dilators or elastic joints must be used to prevent such movement, always avoiding leaving open joints.

SLOPE CORRECTION AT BASE OR HEAD

Prevents small steps from appearing on the pavement surface by correcting the slope at the plot's base or head.



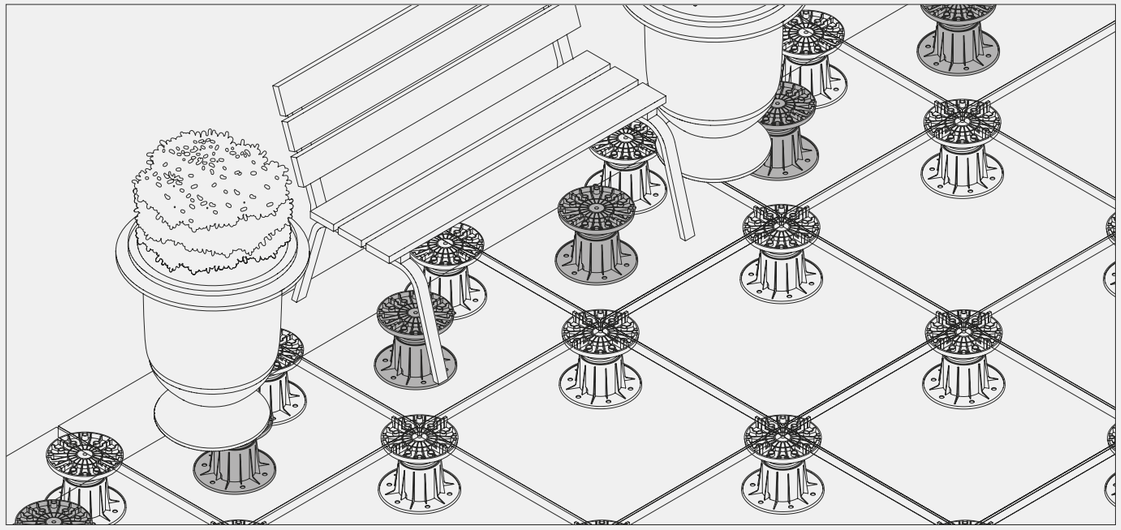
PLOT HEIGHT LOCK

Prevents undesired movement of the plot due to vibrations over time. Reduces the maintenance needed for the installation.

Installation

Central pedestal with extra weight

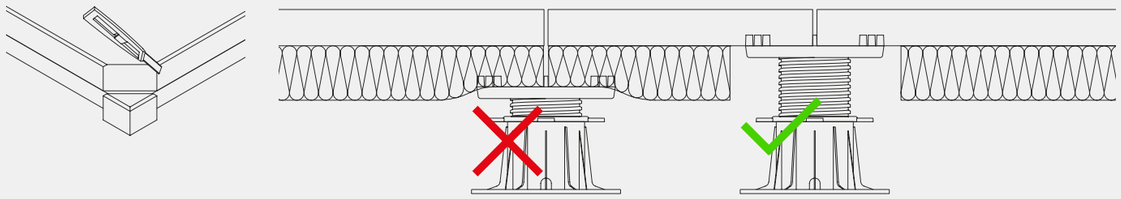
When working with punctual loads, it is possible to use a central pedestal layout or to increase the number of pedestals based on the load geometry. The rated load and the pedestal layout must follow the recommendations of the selected slab manufacturer at all times.



Using slabs with insulation

Do not rest slabs with insulation directly on the pedestals. An open joint between slabs will cause the camera to be ventilated and this will invalidate the effect of the insulation. XPS-type insulation experience deformation in the long term and rims may appear. It is advisable to cut the insulation corner to ensure that the slab has an adequate rigid support on the pedestal.

The use of insulated tiles can lead to breakage of the cantilevered part of the pedestal head. These tiles are not suitable for use with these pedestals.



These limitations apply to all Peygran raised flooring products. Relevant to BSP, BSP V0+ and XSP

How many pedestals do you need?

Tile format	4 plots	5 plots	9 plots
450 x 450	5,8	NO	NO
500 x 500	4,4	8,5	NO
600 x 600	3,2	6,1	NO
750 x 750	NO	4,9	7,8*
900 x 900	NO	NO	5,8*
1.200 x 1.200	NO	NO	3,2*

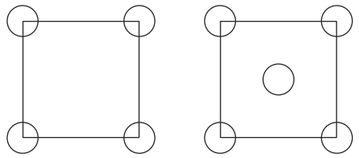
Tile format	4 plots	6 plots	8 plots
400 x 600	4,7	NO	NO
300 x 1.200	NO	6,3	NO
400 x 1.200	NO	4,7	NO
600 x 1.200	NO	3,2	6,1
500 x 1.000	NO	4,4	NO

- Approximate quantity by the manufacturer.
- Repercussion for terrace of 10×10m (100m2) with max. separation between pedestals of 600mm.

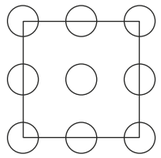
* Recommended installation with joist.

Recommended installation for 20 mm thick ceramic tiles:

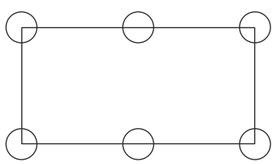
Smaller than 60×60 private use 4 pedestals, public use 5 pedestals (central pedestal).



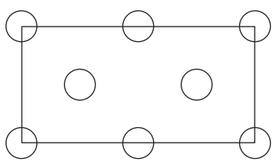
Larger than 60×60 9 pedestals in all cases.



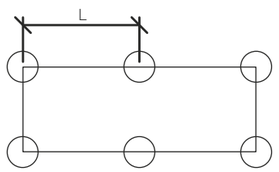
120×60 format: Private use, 60×60 module, without central panel



120×60 format: Public use, 60×60 module, with central panel



In any case when L < 60cm L.



These limitations apply to all Peygran raised flooring products. Relevant to BSP, BSP V0+ and XSP

DoP BSP

DECLARATION OF PERFORMANCE

	BSP1	BSP2	BSP3	BSP4	BSP4+ 1 BUSHING	BSP4+ 2 BUSHINGS	BSP4+ 3 BUSHINGS	BSP4 + 4 BUSHINGS	BSP3 + PVC PIPE	BSP4 + PVC PIPE
TECHNICAL CHARACTERISTICS										
Minimum height [mm]	34	50	80	140	240	340	440	540	151	266
Maximum height [mm]	50	80	140	255	355	455	555	655	966[2]	936,75[2]
Upper Diameter [mm]	130									
Lower Diameter [mm]	140									
Weight [g]	128	150	194	287	377	467	557	647	254+pipe	347+pipe
Central load [kN] limit[1]	8,14	8,24	7,84	8,17	6,54	6,40	6,79	6,66	6,55	6,45
Central load [kN] limit[1] on 1/2	5,4	5,49	5,04	6,26	4,74	5,18	5,28	5,18	4,65	5,36
Operating temperature range	-40º to 65˚C									
Distance between slabs[2][mm]	4 - 3 - 2									
Screw pitch [mm]	6									
Outdoor use	Rot proof and resistant to marine environments, chlorides and domestic detergents									
COMPOSITION										
Head	Mineral filled polypropylene									
Body	Mineral filled polypropylene									
ACCESSORIES COMPATIBILITY										
Bushing 100 mm	•	•	•	•	•	•	•	•	/	/
Adapter Tube PVC75	•	•	•	•	/	/	/	/	/	/
Closing Vertical PA	/	/	/	•	•	•	•	•	•	•
Pad Fixed[3]	•	•	•	•	•	•	•	•	•	•
Tilting Head 0 - 3%	•	•	•	•	•	•	•	•	•	•
Pad Head Tilting 0%[3]	•	•	•	•	•	•	•	•	•	•
Pad Head Tilting 2%[3]	•	•	•	•	•	•	•	•	•	•
Joist Perimetral PA	•	•	•	•	•	•	•	•	•	•
Regulator Slope	•	•	•	•	•	•	•	•	•	•
Dilator Perimetral INOX	•	•	•	•	•	•	•	•	•	•
Anchor Joist Wood	•	•	•	•	•	•	•	•	•	•
Clip Joist	•	•	•	•	•	•	•	•	•	•

COMPATIBLE	•
NOT COMPATIBLE	/

Note 1:	Load Limit: AIJU; UNE-EN 12825:2002 Approval 5..3.1. Available upon request. 1Kn=102kg
Note 2:	Maximum height with tests accredited by AIJU laboratory. Available upon request.
Note 3:	Fixed pad for use only without tilting head. Tilting head pad 0% and 2% only combined with tilting head.
Note 4:	CE labelling: NOT APPLICABLE. ADJUSTABLE SUPPORTS FOR FLOATING FLOORING do not have any harmonised European technical requirement that is applicable to them.
Nota 5:	1. BSP1, 2, 3, and 4 values are with locknut. 2. BSP4 + Bushings or PVC pipe values are without locknut.