



Profession



Honesty



Innovation



**MB-SL Self Leveling
Adjustable Pedestal**



MB-T Adjustable Pedestal



MB-X Adjustable Pedestal



Non-Combustible Steel Pedestal

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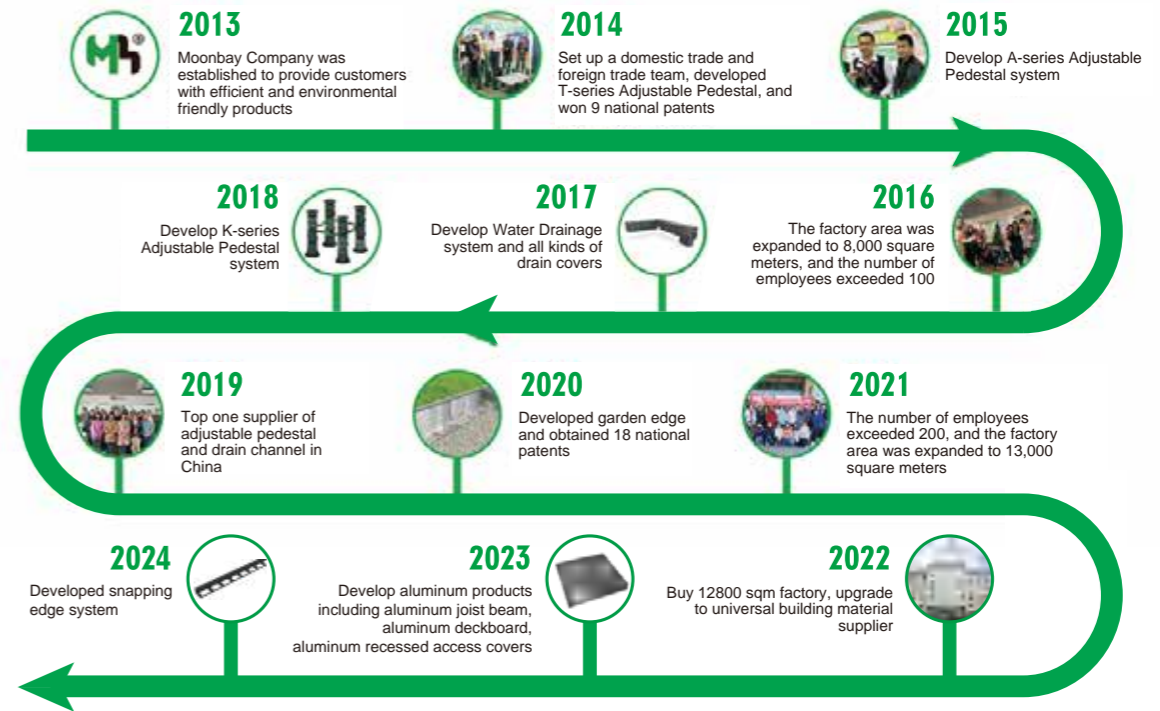
Hangzhou Moonbay Industrial Co.,Ltd

SINCE 2013



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Hangzhou Moonbay Industrial Co., Ltd is a professional construction material manufacturer integrating obligation with R&D, design, produce, sale and service.

Since its **establishment on July 25, 2013**, we have over **50 engineers and more than 150 workers**, the company has developed and produced products such as: Adjustable Pedestal, Steel pedestal, HDPE Drain channel, Polymer concrete drain channel, Manhole Cover, Aluminum Decking, Garden Edge, Tile Leveling System etc... with **32 innovative patents**.

Being honest, professional, innovative and positive is our business concept. Offering great quality product and excellent service is one of our mission.

Moonbay factory located in Zhuji, Shaoxing with **13000 SQM area**. There are over **60 automatic production Line**. Moonbay building material support **10,000+ project** every year. It's now world-famous brand and hot selling in Europe, Asia, Australia, North America. We look forward to cooperating with you.

Mission: Create More Efficient And Eco-friendly Product

Vision: To Be The Benchmarking Enterprise In Building Material Industrial

Value: Honesty, Profession, Innovation, Optimism

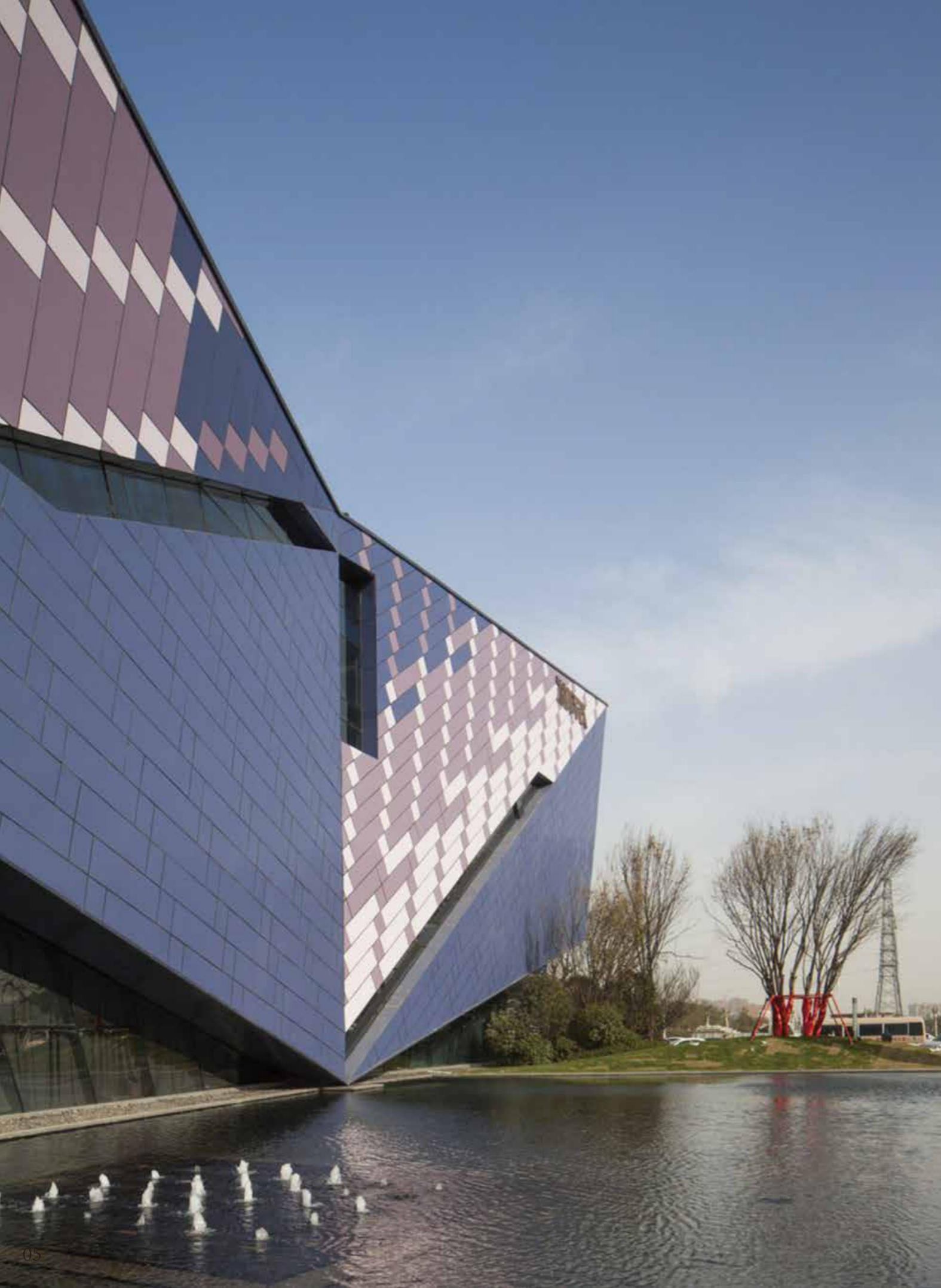


Factory video

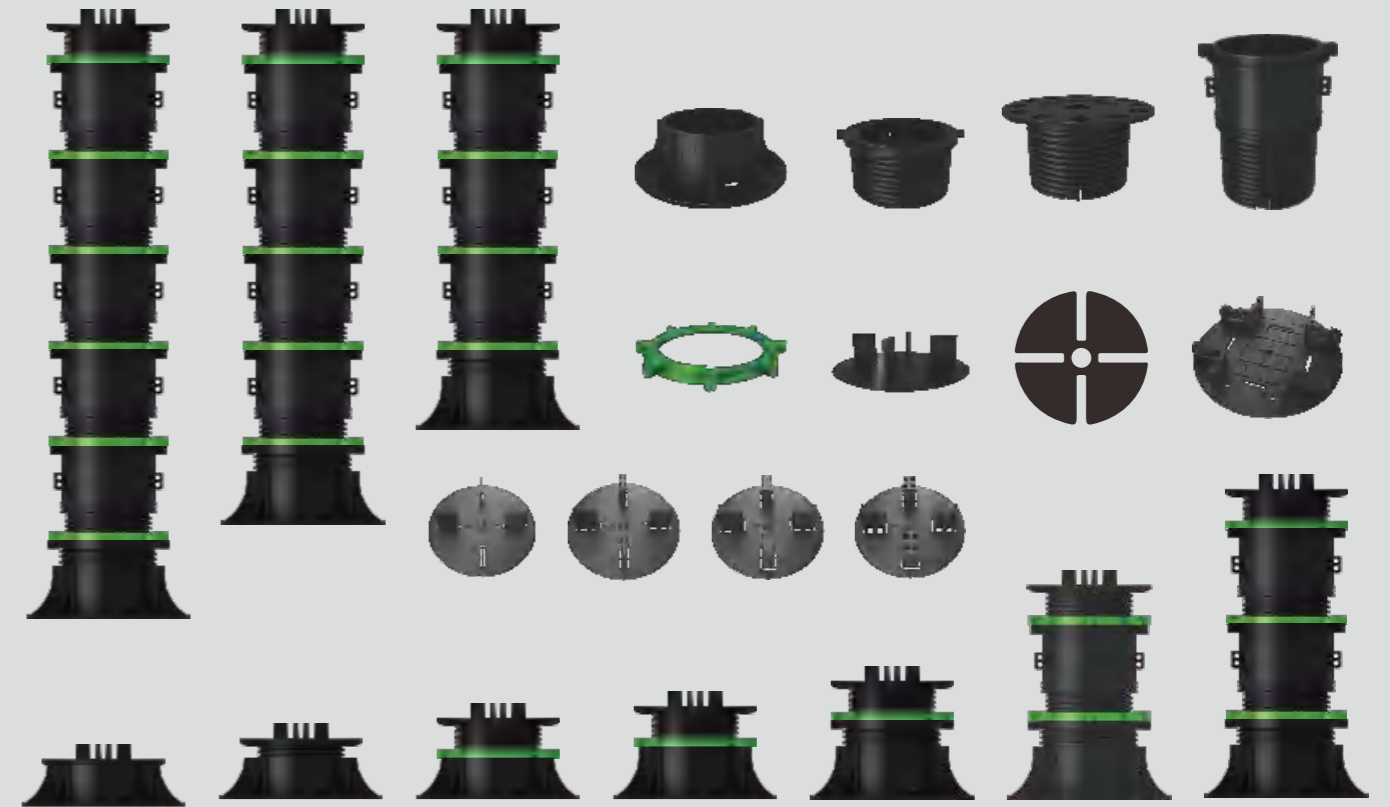


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Adjustable Pedestal



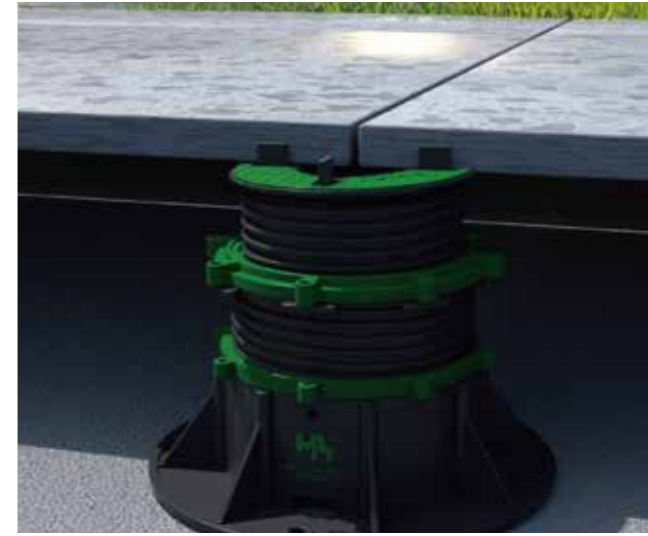
Moonbay adjustable plastic pedestal is made of PP, anti-UV, talc etc.
 Support for outdoor terrace with any kind of material: timber decking, wpc decking, stone, ceramic, composite material, metal, fiberglass, grit, etc.
 Can be placed on any stable substrate, also over insulation panels.



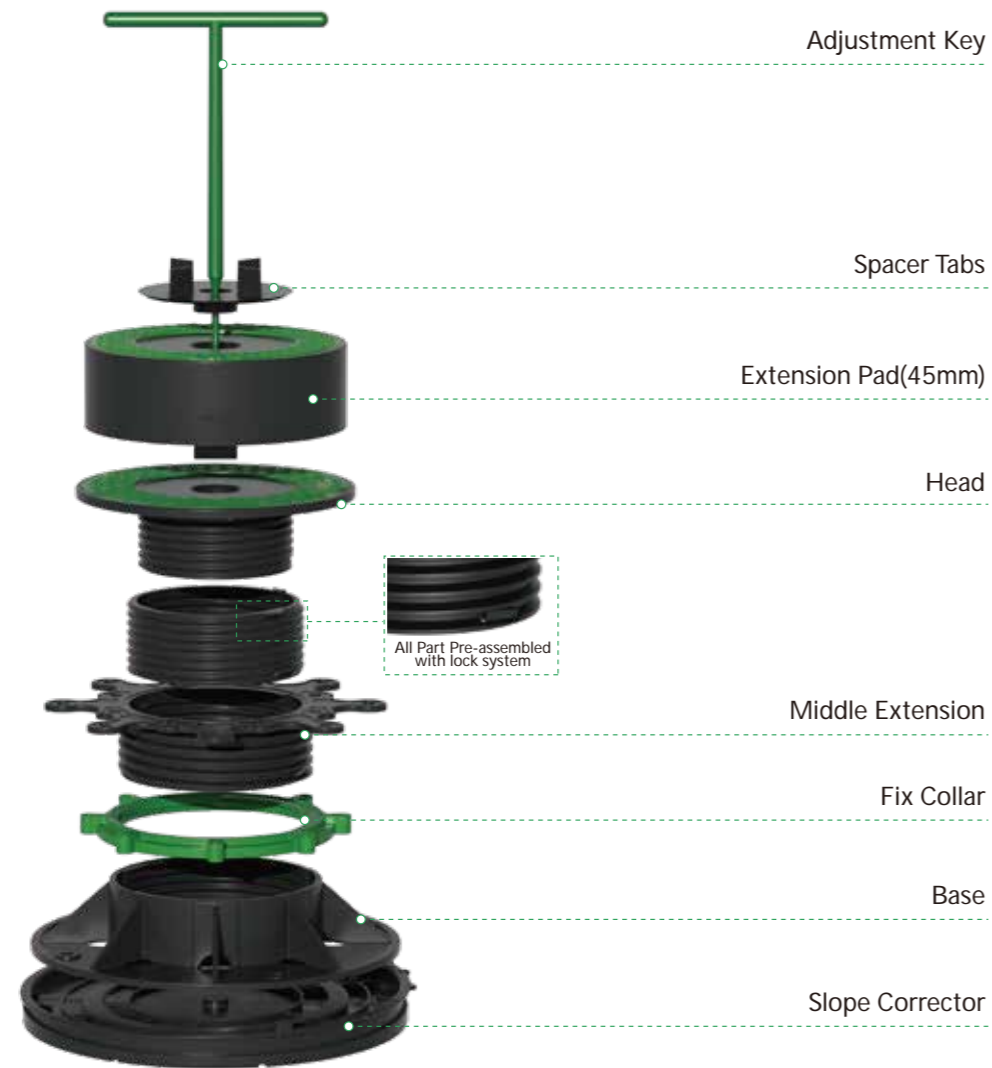
Adjustable Pedestal



Utility



MB-X Type



Adjustable pedestal is the best solution for your raised floor system, both for decking and paving tiles. Among all other pedestals, The MB-X type have many advantages to make your job easier and efficient.



MB-X type advantages :

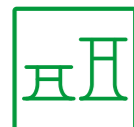
- 1. Wide Adjustment height range, MB-X1: 29-49mm; MB-X2: 49-138mm; other competitors pedestals normally need 4-5 skus to match this height range.
- 2. All part fully assembled with lock system, save labor and never unscrew for all part.
- 3. Adjust height from the top by adjustment key, no need repeat lifting and laying the tiles.
- 4. Soft rubber injected on head, no need extra head rubber, save labor and stock SKU.
- 5. Spacer tabs packed in box with pedestal, not a extra, easy to manage your stock and delivery.
- 6. Over orders can be used on next project, no dead stock.
- 7. Extension pad can be easily installed on head of pedestal, each pad give 45mm extra height, and they are stackable, e.g. MB-X2 add 2 pcs extension pads can reach maximum 228mm height.
- 8. All pedestal test with SGS report and CE certificate.
- 9. Compliant with Moonbay all other accessories.
- 10. Made of Recycled material, protect our earth.



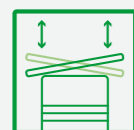
45mm extension pad, can be easily installed on head of pedestal, each pad give 45mm extra height, and they are stackable, e.g. MB-X2 add 2 pcs extension pads can reach maximum 228mm height.

By using adjustment key, there is no need repeat lifting and laying the tiles, save time and labor.
Just insert the adjustment key in the cross of the head and turn it slowly, then you can get a leveling surface.

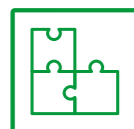
Self-Leveling Adjustable Pedestal



1. From 22 mm to 405 mm height with only four products.



2. Self-leveling head for slopes from 0 to 5%.



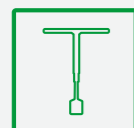
3. Complete assembled product, save labor.



4. Head coated with 2 mm of anti-noise and anti-slip rubber.



5. Reduction of warehouse space



6. Height adjustment key



7. Anti-unscrewing safety blocks



8. Transport costs considerably reduced as the product is supplied assembled .



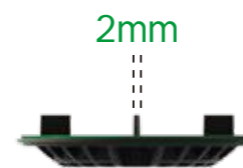
Self-leveling
for stone tile



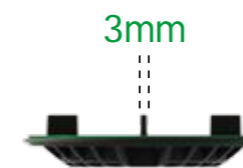
Self-leveling
for aluminum joist



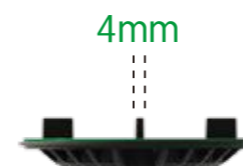
Self-leveling
for wood joist



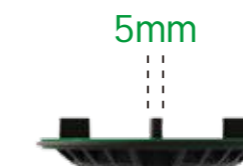
2mm



3mm



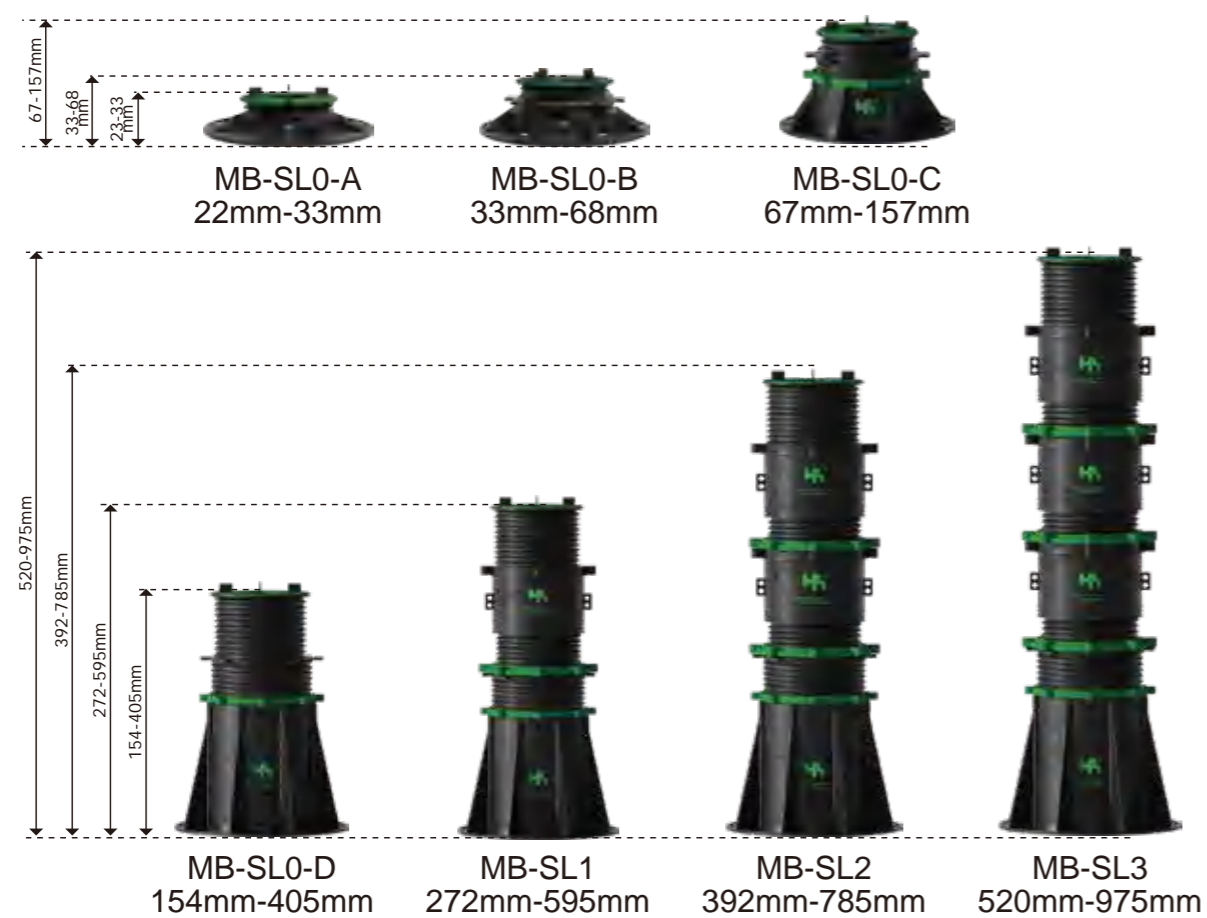
4mm



5mm



Self-Leveling
Adjustable Pedestal



MODULE	HEIGHT RANGE <i>mm</i>	PICTURE	ACCESSORY	PACKAGE 			UNIT 
				PCS/BOX	BOX SIZE <i>cm</i>	PCS/20GP	
MB-SL0-A	23-33mm		2mm/3mm/4mm/ 5mm/thickness spacer tabs	126 pcs/ctn	36x36x24	28000	...
				60 pcs/ctn	57x38x21		
MB-SL0-B	33-68mm		2mm/3mm/4mm/ 5mm/thickness spacer tabs	126 pcs/ctn	36x36x24	20000	...
				40 pcs/ctn	38x31x38		
MB-SL0-C	67-157mm		2mm/3mm/4mm/ 5mm/thickness spacer tabs	126 pcs/ctn	36x36x24	10500	...
				24 pcs/ctn	41x38x38		

MODULE	HEIGHT RANGE <i>mm</i>	PICTURE	ACCESSORY	PACKAGE 			UNIT 
				PCS/BOX	BOX SIZE <i>cm</i>	PCS/20GP	
MB-SL0-D	154-405mm		2mm/3mm/4mm/ 5mm/thickness spacer tabs	126 pcs/ctn	36x36x24	5300	...
				18 pcs/ctn	54x54x31		
MB-SL1	272-595mm		2mm/3mm/4mm/ 5mm/thickness spacer tabs	126 pcs/ctn	36x36x24	3400	...
				18 pcs/ctn	54x54x31		
			220mm Extender	45 pcs/ctn	66x49x41		
MB-SL2	392-785mm		2mm/3mm/4mm/ 5mm/thickness spacer tabs	126 pcs/ctn	36x36x24	2500	...
				18 pcs/ctn	54x54x31		
			220mm Extender	45 pcs/ctn	66x49x41		
MB-SL3	520-975mm		2mm/3mm/4mm/ 5mm/thickness spacer tabs	126 pcs/ctn	36x36x24	2000	...
				18 pcs/ctn	54x54x31		
			220mm Extender	45 pcs/ctn	66x49x41		

35mm self leveling extension pad

35mm extension pads designed for MB-SL self-leveling adjustable pedestal, this extension is designed to extend your pedestal height easily, just remove the leveling head and insert the pad into the middle head and then put back the leveling head, no need to unscrew any part of the pedestal, this save a lot time and labor, most important, this accessory helps us running out all pedestal, no dead stocks. Each extension pad add 35mm height, and it is stackable, you can stack max 4 pcs together.



35mm self leveling extension pad



Stack 1 pc extension pad



Stack 2 pcs extension pads(max 4 pcs)

Self-leveling lock

Self-leveling lock system for Moon-bay self-leveling adjustable pedestal, switch self-leveling head into flat-head system



Self-leveling lock
Self-leveling head
Self-leveling adjustable pedestal



Self-leveling head Ø 115 mm with anti-noise and anti-slip rubber. Allowing to get a perfect flat pavement even on rough ground.



By using adjustment key, you can level the terrace without moving the tiles from the top of pedestal, it is fast and easy, save time and labor. Just insert the adjustment key in the cross of the head and turn it slowly, then you can get a leveling surface.

colour



Green

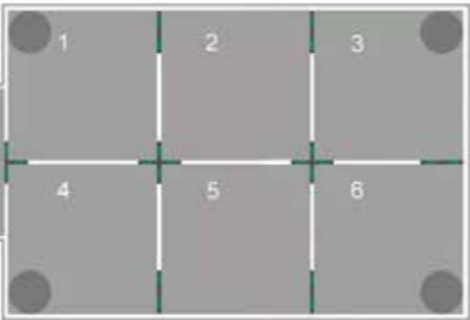
Yellow

Red

Black

Color can be customized

Welcome to contact us to get a calculation form.

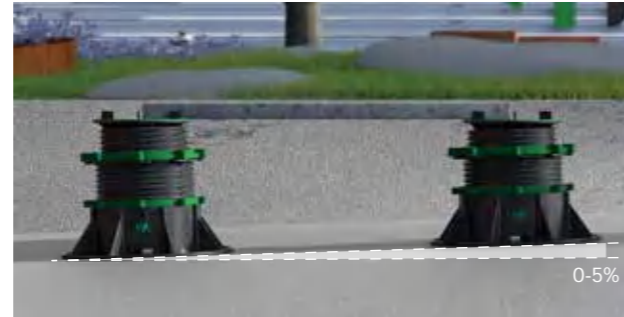


Layout

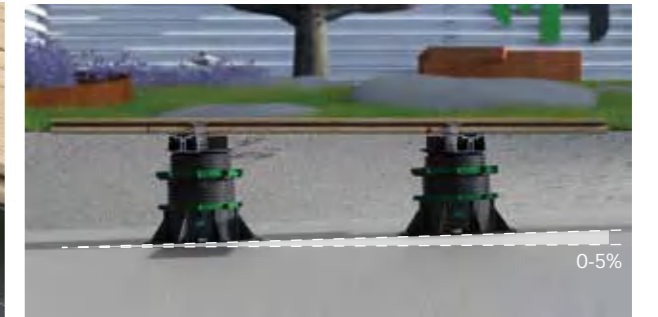
pedestal qty calculation	
TILE SIZE	PCS/SQM
600X600 MM	2.8 PCS
500X500 MM	4 PCS
400X400 MM	6.3 PCS



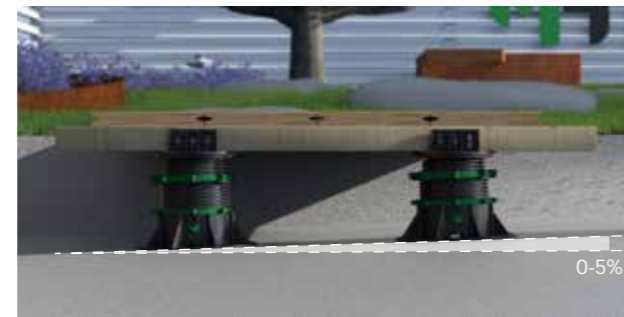
pedestal qty calculation	
Installation distance	PCS/SQM
300X300 MM	11
400X400 MM	6
450X450 MM	5
500X500 MM	4
We advice buy 10% more of total quantity	



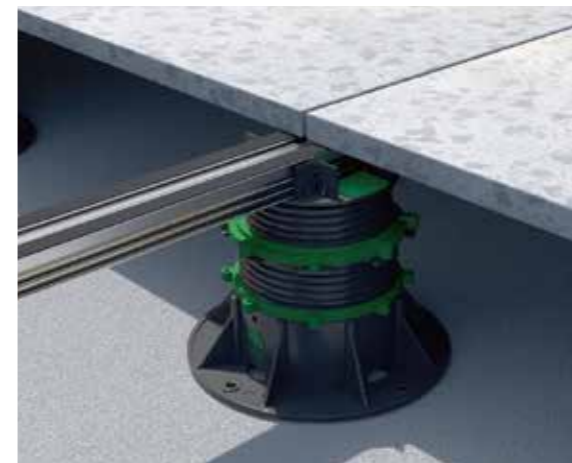
1. Slope compensation detail using self-leveling pedestal with tiles.



3. Slope compensation detail using self-leveling pedestal with aluminum joist and wood decking.



2. Slope compensation detail using self-leveling pedestal with wooden joist for laying wooden planks.



4. Slope compensation detail using self-leveling pedestal with aluminum joist and rectangle tiles.

MB-T Type

Joist cradle

(40mm/50mm/60mm/80mm)
Support for any kind of substructure:
• timber batten(joists)
• composite battens
• aluminium or steel support sections
Width of the support:up to 80mm. Fixing holes on both sides of support for mechanical fixing.

Aluminum joist cradel

Screw free, fit Moonbay
50mm aluminum joist,
tight lock the joist

Head

The head of the support is screwed
The head of the support is screwed directly on to the base, or on to the extender.Diameter of 150 mm, can be fitted with various components to support differing surfaces.

Fix collar

Fix and lock the screws after adjustment, ensure pedestals are secured at desired heights and are easily removed when not required.

Base

The base can be simply positioned or fixed to any substrate.



Shim

(1mm/2mm/sloped)
For use with marble, stone slabs, granite pavers,etc. for:
• added anti-slip performance
• shock and sound absorption
• compensation for stone thickness variation

Spacer tabs

(2mm/3.5mm/5mm/8mm/10mm)
The head can be fitted with spacer tabs, to give the desired opening between tiles (for water drainage and ventilation).



Extender

Extend and add height of adjustable pedestal
Diameter 120mm

Base slope corrector

Base slope corrector
Compensate slope from 0%-5%
Assembled on bottom of pedestals
Can be choose to use it or not for different in stallation condition



600x600x40mm safety panel



Aluminum joist



Plastic perimeter clip



Spacer tabs
(2/3.5/5/8/10mm)



Shim
(1mm/2mm/Sloped)



15/40mm extension pad



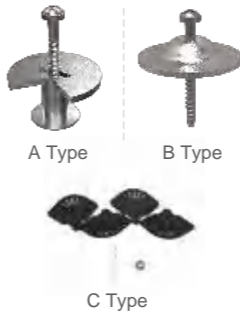
Base slope corrector



Base rubber pads



Connecting rod



Windproof system



Joist cradle
(40mm/50mm/60mm/80mm)



wood clip

MB-T Type



Φ 150-170mm
Φ 120mm
Φ 200-220mm

Height Range: 14-1260mm
Max Loading: 1200 kgs/pc
Application: Terrance, Balcony, Rooftop, Public Square, Commercial Building, Fountain, Water Feature, Decking, Garden.
Material: Polypropylene (PP)
Rating: ★★★★★

Code	MB-FP-01	MB-FP-02	MB-T0	MB-T0-A	MB-T0-B	MB-T0-C	MB-T0-D
Height Range (mm)	12.5	16	11-16	19-30	28-42	40-65	60-105

MB-T0-E	MB-T0-F	HMB-T1-A	HMB-T2-A	HMB-T3-A	HMB-T4-A	HMB-T5-A	HMB-T6-A
90-185	185-320	250-370	370-560	500-760	600-930	750-1100	900-1260



MB-FP-01 12.5mm MB-FP-02 16mm MB-T0 11-16mm MB-T0-A 19-30mm MB-T0-B 28-42mm MB-T0-C 40-65mm



MB-T0-D 60-105mm MB-T0-E 90-185mm MB-T0-F 185-320mm HMB-T1-A 250-370mm HMB-T2-A 370-560mm



HMB-T3-A 500-760mm HMB-T4-A 600-930mm HMB-T5-A 750-1100mm HMB-T6-A 900-1260mm

MB-K Type



Φ 220mm
Height Range: 210-1600mm
Max Loading: 1800 kgs/pc, heavy duty pedestal
Application: Terrance, Balcony, Rooftop, Exhibition Stage, Public Square, Commercial Building, Fountain, Water Feature, Decking, Garden.
Material: Polypropylene (PP)
Rating: ★★★★★

Φ 160mm

Φ 260mm

Code	MB-K0	MB-K1	MB-K2	MB-K3	MB-K4
Height Range (mm)	210-360	420-670	620-980	820-1290	1020-1600



MB-K0
210-360mm

MB-K1
420-670mm

MB-K2
620-980mm

MB-K3
820-1290mm

MB-K4
1020-1600mm

MB-MINI Prefabricated Pedestal



Φ 90mm
Height Range: 30-160mm
Max Loading: 600 kgs/pc, light pedestal system
Application: Outdoor Terrance, Indoor Raised Floor, Decking, Floor Heating, Balcony, Rooftop, Commercial Building, Garden.
Material: Polypropylene (PP)
Rating: ★★★★★

Φ 100mm

Code	MB-L0-A	MB-L0-B	MB-L0-C	MB-L0-D
Height Range (mm)	30-45	45-75	73-120	113-160



MB-L0-A
30-45mm



MB-L0-B
45-75mm



MB-L0-C
73-120mm



MB-L0-D
113-160mm



Outdoor



Indoor

MB-MINI Type



MB-MINI type advantage:

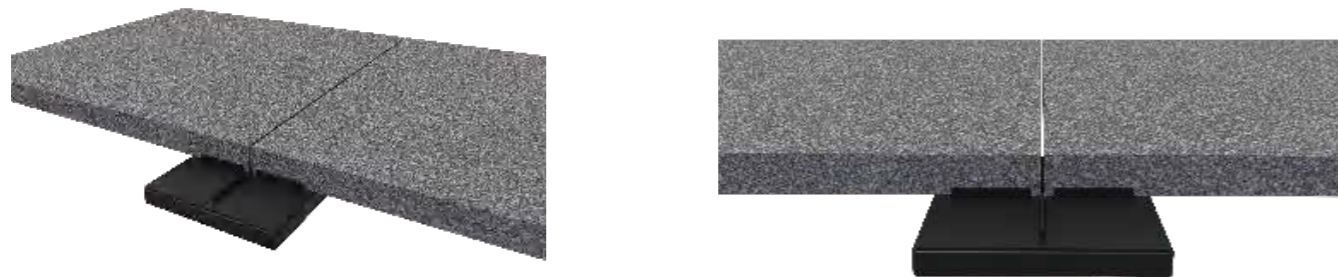
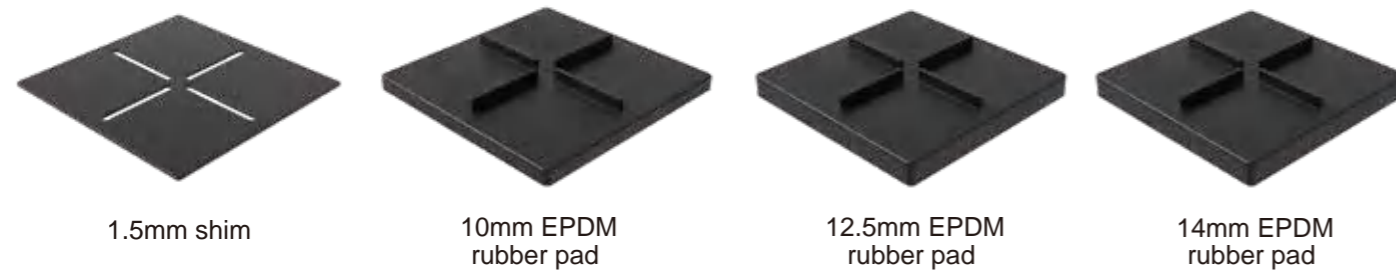
MB-MINI pedestal:
MB-MINI pedestal is our most cost effective pedestal, with 800 kgs/pc loading capacity, which can be used both indoor and outdoor, and also can be used on the wall to create a sound insulation layer.

- Advantage:
- High loading capacity with low cost, save money
 - Easy installation for paving and decking boards
 - Compliant with Moonbay all other accessories
 - SGS test report and CE certificate
 - Made of 100% recycled material, protect our earth



10mm/12.5mm/14mm EPDM Rubber Pad+Shim

This 10mm/12.5mm/14mm is made of soft EPDM rubber, this pad is stackable and it can be used with shim, this EPDM rubber pad is always the fastest and most economical solution for fixed tiles in the elevated system.



MB-FP-01
12.5mm



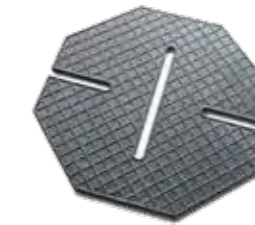
1mm round rubber shim



2mm round rubber shim



MB-FP-02
16mm



1.5mm hexagon rubber shim



3mm hexagon rubber shim

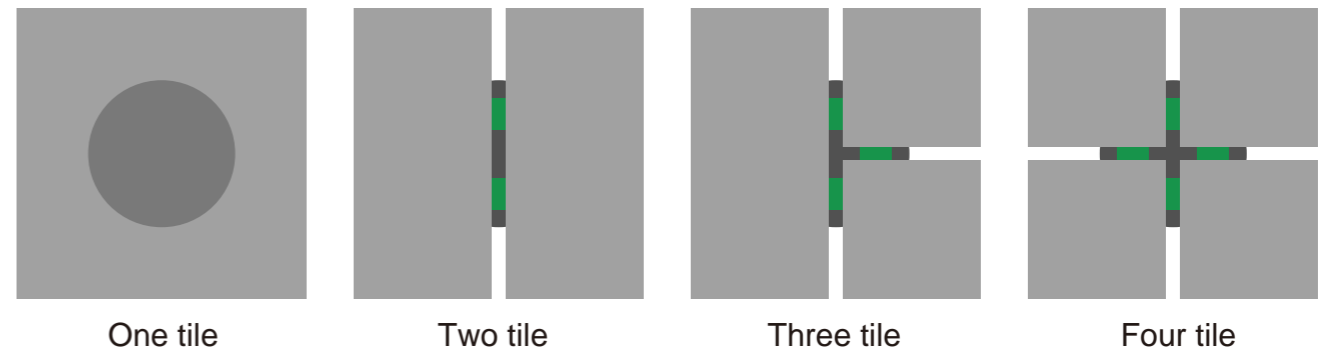
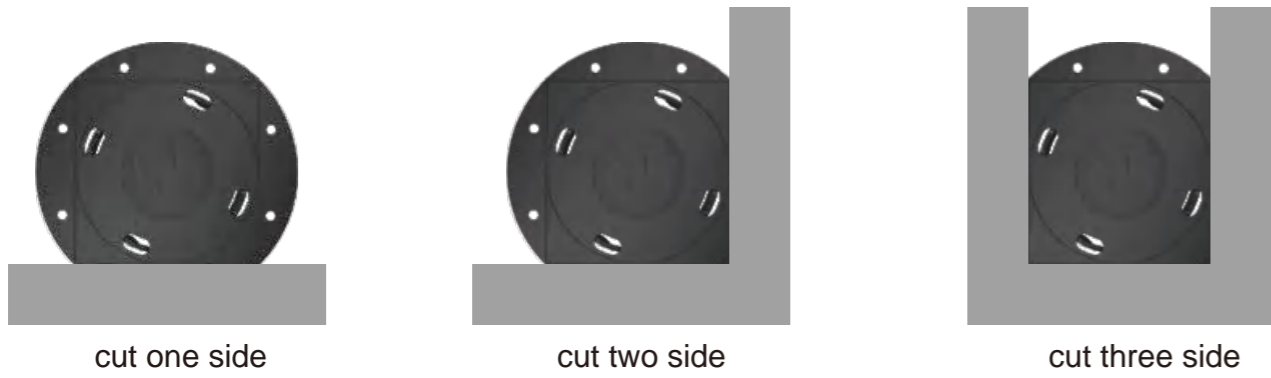
The fixed height supports are available in 2 versions:

- The FH 12.5mm (H12.5 mm), and FH 16 (H16 mm) models. They have always been the quickest and most economical solution for installing slabs in the raised system. And they are both stackable for more extensions in case of need.
- The FH 12.5mm (H12.5 mm) can be matched with 1mm/2mm/ sloped rubber shim.
- The FH 16 (H16 mm) can be matched with special designed hexagon 1.5mm and 3mm rubber shim.

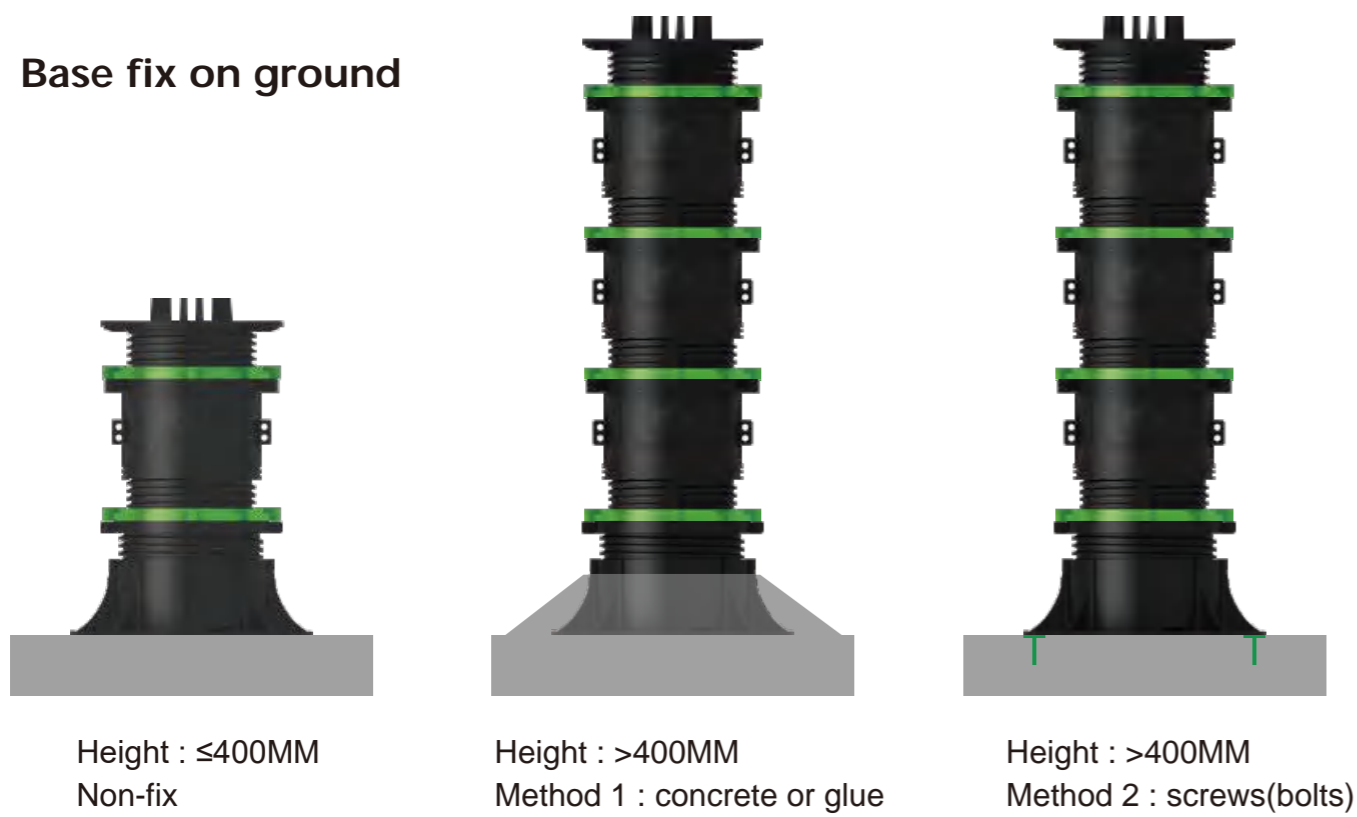
Base

Cut the base to install the pedestal on the corner

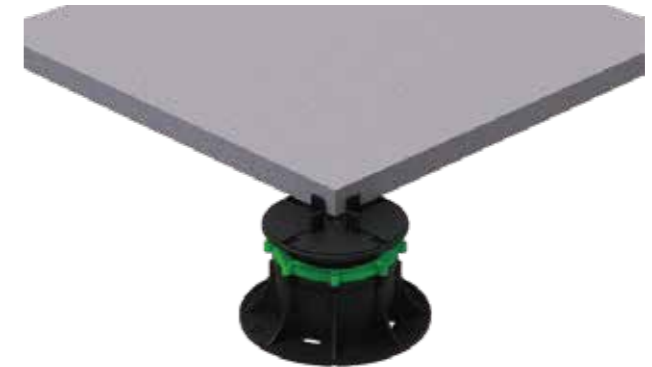




Base fix on ground



break off the spacer tab to fit different situation.



Clear paver spacer tabs (1.5mm/3mm/4mm)

Paver spacer tabs with water channels in base and 1.5mm/3mm/4mm wide ribs allows perfect spacing of pavers or slabs. This product is weather-proof and suited for most types of pavers and slabs laid on pre-leveled surfaces.

The crystal clear spacer blends into the background and is almost invisible in use. providing perfect spacing and stabilisation of the pavers.



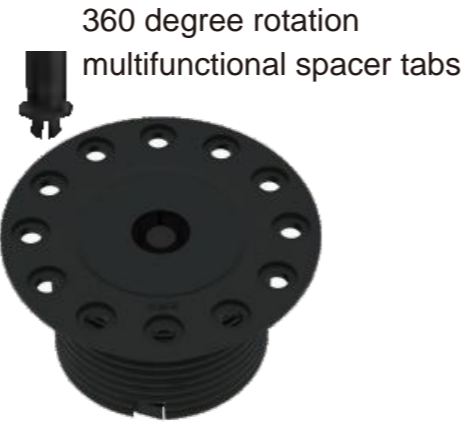
Spacer tabs

Standard spacer tabs for rectangle and square tiles

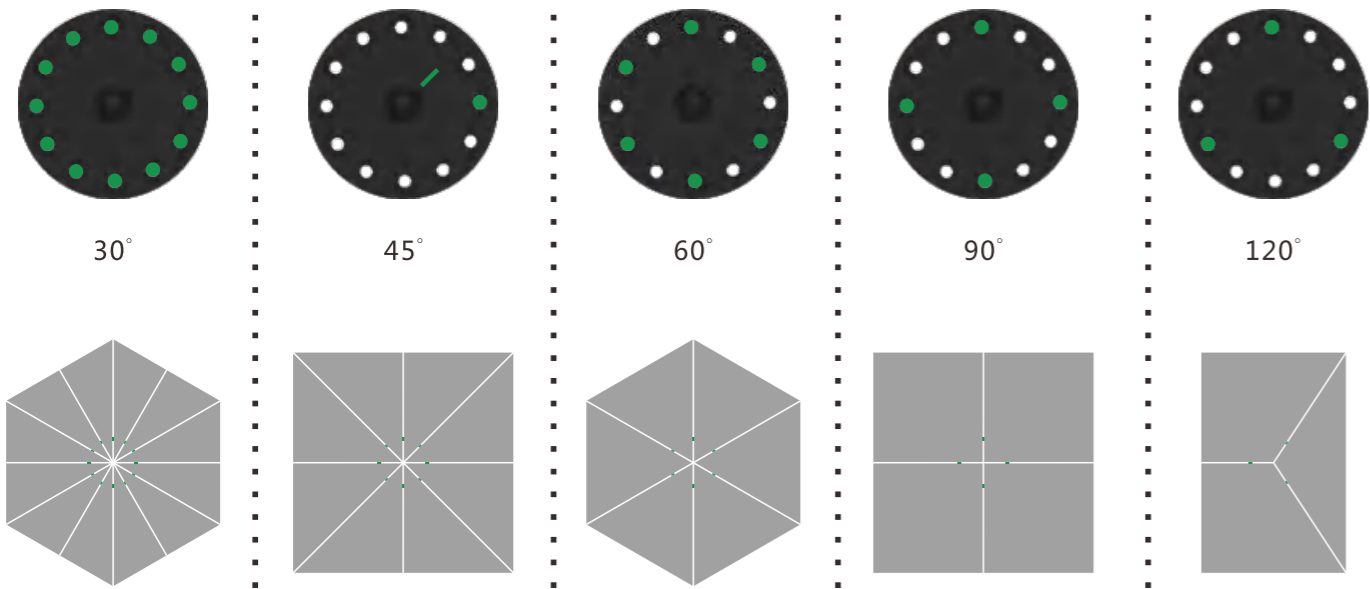


Multifunctional Spacer tabs

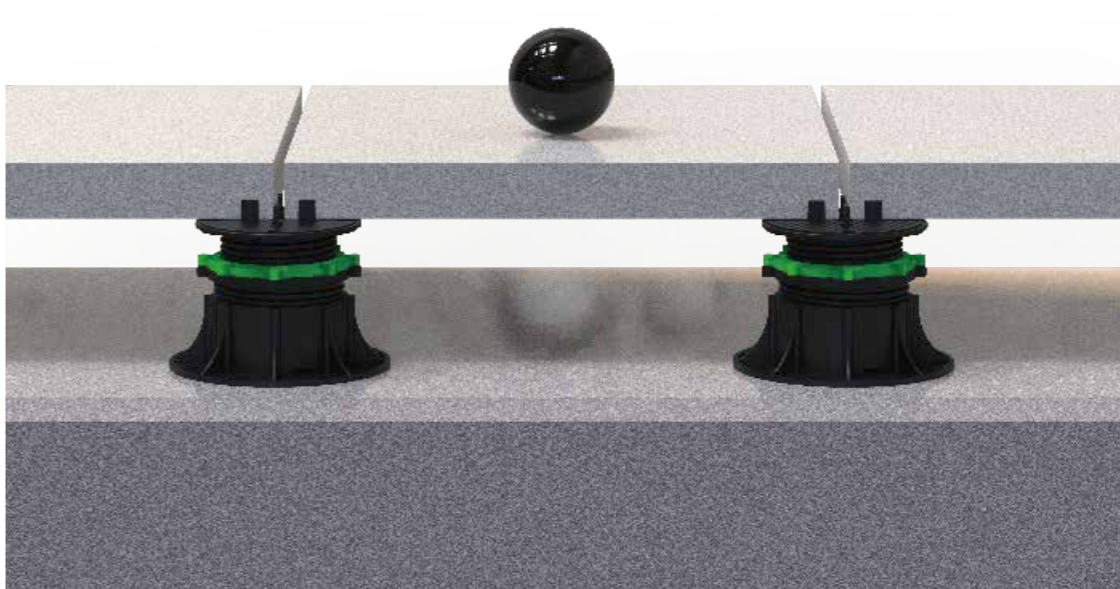
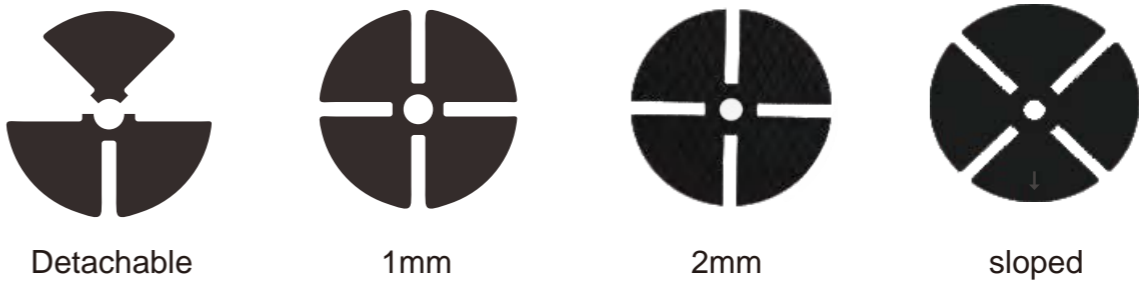
Multifunctional spacer tabs for polygon tiles



Note: each green spot means one multifunctional spacer tabs



Shim Rubber

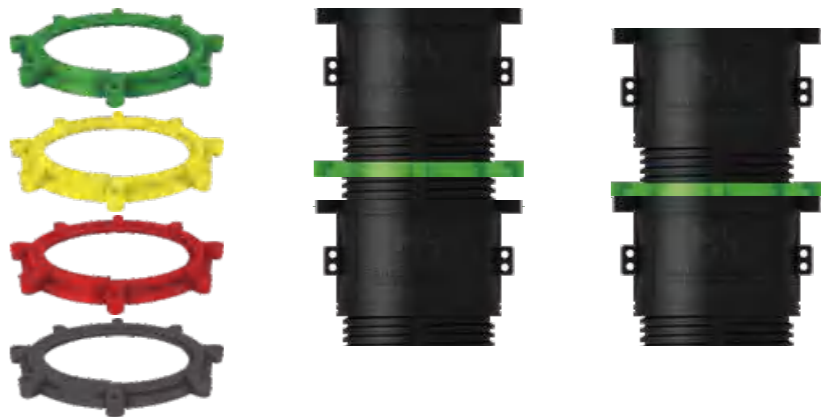


Compensate tile thickness difference

Fix collar

Fix and lock the thread,
avoid sway
Color can be customized

Patent : ZL 201420565484.X



NO

YES
(Lack down the fix collar)

15mm / 40mm Extension Pad

One basic pedestal+extension pads
Stackable Extension pad, this gives advantage that one size pedestal could reach more height, no need to change another size for height near project.
Fast sell and easy to stock for distributors.



Base Slope Corrector

Rotating the upper disc to compensate 0%-5% slope
Assembled under the base of the pedestal
(suitable for pedestal base dia 200mm or 220mm)



Base Rubber Pads

No smell, healthy and eco-friendly, anti-slip,reduce noise,protect water membrane
Assembled under the base of the pedestal(suitable for pedestal base dia 200mm)



Anti-noise silent base rubber pads

 up to 25 dB

Connecting Rod

When the support reaches 800mm or more,the connecting rod makes the support more fixed.The K type is directly stuck on the K-fix collar.
The T type needs to be matched with a big fix collar.



Windproof system



A Type



B Type



C Type

wind proof lock with screw(A Type)

Accessories are perfectly hidden by cutting the stone,being invisible.the flooring maintains its original aesthetic.But cutting the tile also extends the installation time.

wind proof lock with screw(B Type)

By firmly attaching the supports and plates to each other using circular keyholes and spike, the flooring becomes one. As a result the Pedestal System and the Paver anchor to each other to create wind resistance,This method is fast and concise,but the protruding attachment itself will cause uneven floors.



wind proof lock by glue the tiles(C Type)

There is a back click system to lock the C type wind-proof panel on the pedestal, and the tiles are glued on the wind-proof panel, this system is easy to install, no need to cut the tiles, but the glue might be out of function after years.

Perimeter Spacer Clips And Side Closure Steel Clips



Steel perimeter clip



Plastic perimeter clip



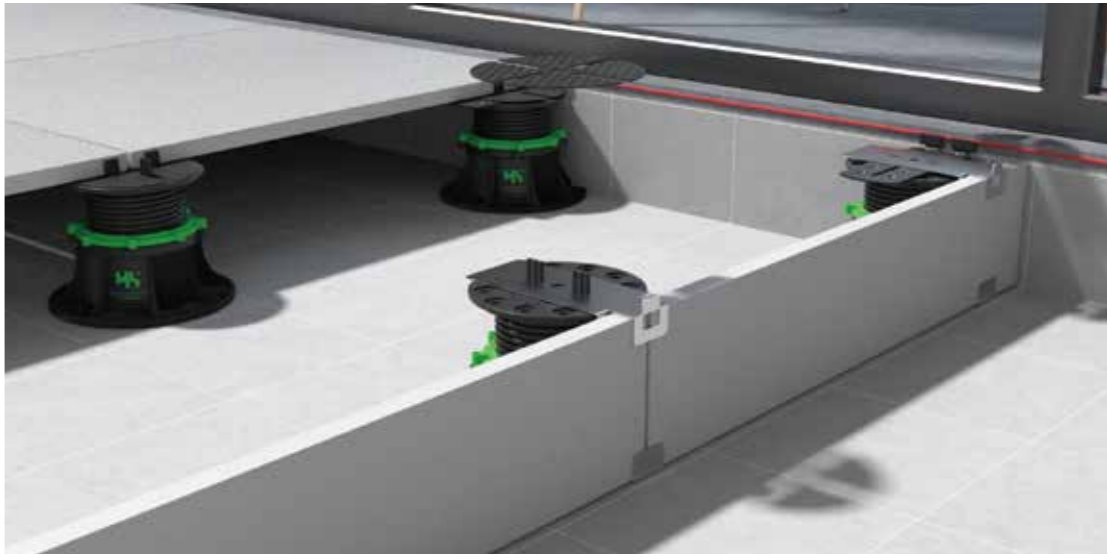
Top clip for vertical closure



Bottom clip for vertical closure



Aluminum joist top clips for vertical closure



This perimeter clip is made of PP and soft rubber, this can reduce noise from the tiles against the wall, it can be fixed on the pedestal by screw.



Perimeter steel clip

Plastic perimeter clip



Perimeter spacer clips is made of stainless steel or plastic, it is designed to avoid contact between the outdoor tiles and the wall. using these clips ensure a stable floor surface and a straight and elegant perimeter.

Top clip for vertical closure and bottom clip for vertical closure are used for vertical side tile closure. This system consist two types of clips, one assembled on the top of pedestal, another assembled under the base, it creates a firm seat capable of gripping the tiles which is cut to fill the gap, making perfect vertical closure for the terrace.



Top clip for vertical closure

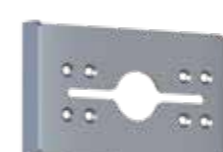

















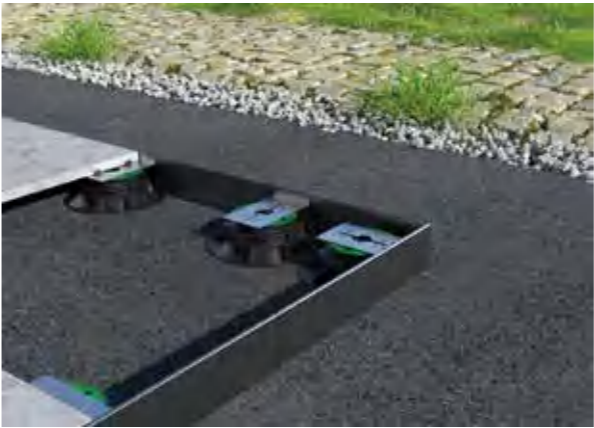
Bottom clip for vertical closure



Vertical perimeter profile, made of aluminum

The Vertical Perimeter Profile is an element to finish the perimeter edges in the external raised flooring, it adapts perfectly to the flooring slabs 20mm thickness. Perfectly match Moonbay T/X/SL/K type pedestal. The profile is made of aluminium and is available in anthracite gray color. The side hook is also made of aluminum with silver color. The linear joint accessory is available with same color. The profile has a length of 1.80 meters/pc while the standard heights are 60-80-100-120 mm.

			
Profile Hook	120mm Vertical profile	Linear Joint	90° Angular Profile
			
Profile Hook	100mm Vertical profile	Linear Joint	90° Angular Profile
			
Profile Hook	80mm Vertical profile	Linear Joint	90° Angular Profile
			
Profile Hook	60mm Vertical profile	Linear Joint	90° Angular Profile



Installation



- Step 1: Adjust the pedestal to a desired height



- Step 3: Install the first vertical profile on the profile hook



- Step 5: Put 2 pedestals on the corner, and install the corner profile



- Step 2: Screw fix the profile hook on the pedestal



- Step 4: Connecting the vertical profile by linear joint



- Step 6: Waiting 10 minutes for drying glues

Joist Cradle

To hold timber joist, composite joist, aluminum or steel support sections joist, wooden beam
Size option: suitable for beam size 20-80mm



Small cradle for joist



40mm joist cradle



50mm joist cradle



60mm joist cradle



80mm joist cradle



Aluminum Joist



Wood Tile Clip

wood tile clip+wood tiles



Aluminium Joist And Clip

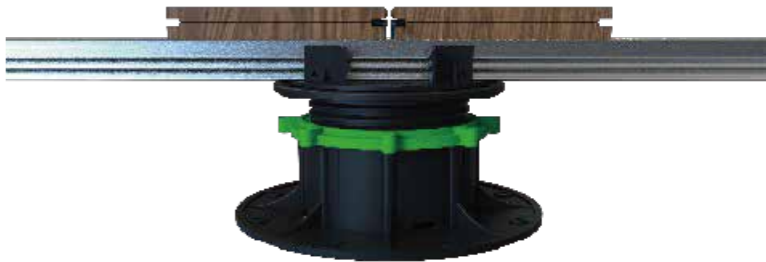
Aluminium joist size 25x50mm, snap into a special joist cradle firmly, no need screws, can be installed with aluminum decking, WPC decking, wood deck, it can also support ceramic tiles, stonetiles, granite tiles when installed with spacer tabs.



joist clips

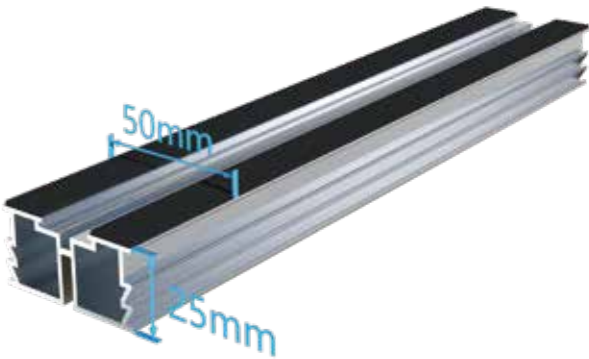


Support paving tiles with spacer tabs



Support decking boards with steel clips

The aluminum joist designed by Moonbay. Aluminum joist size 50x25mm,snap into a special joist cardle firmly,noneed screws,can be installed with WPC decking,wood deck,it can aslo support ceramic tiles, stone tiles,granite tiles when installed with spacer tabs And also also more easy to adjust to level through line than dot. Thanks to the special head that houses the aluminium joist we can guarantee excel-lent results in terms of safety, laying speed and stabil-ity of the walking surface.



50x25mm Aluminum joist
Suggest span 400mm



50x70mm Aluminum joist
Suggest span 800mm

The aluminum joist designed by Moonbay. Aluminum joist size 50x70mm, snap into a special joist cradle firmly, no need screws, can be installed with WPC decking, wood deck, it can also support ceramic tiles, stone tiles, granite tiles when installed with spacer tabs. And also more easy to adjust to level through line than dot. Thanks to the special head that houses the aluminium joist we can guarantee excellent results in terms of safety, laying speed and stability of the walking surface.



The cradle is designed to catch the aluminum joist very tight, this inventive joist is screw free, save much time and labor during installation.

304 Stainless Steel Joist Assembly Fishplate/ Bracket

Made of 304 stainless steel, 1.5mm/2.5mm thickness for choice

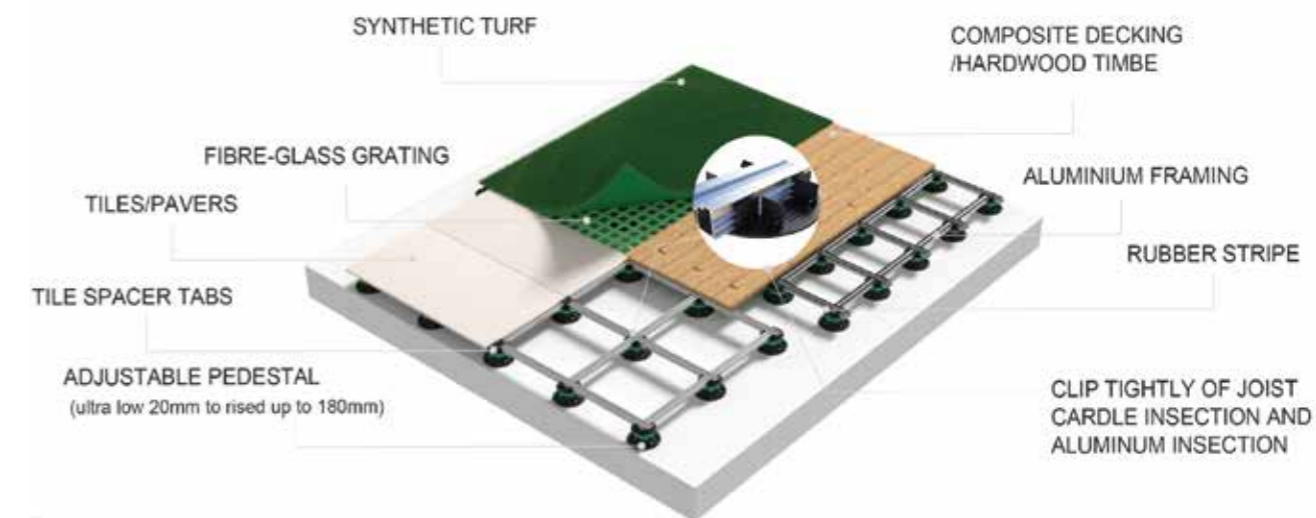
Fix and connect joist, add strength
Fishplate for straight connecting, and
L shape bracket for corner connecting.



Fishplate



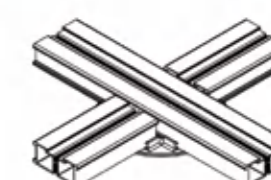
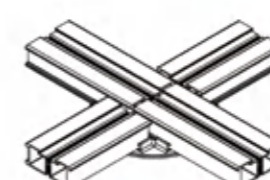
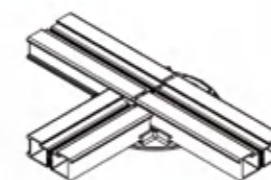
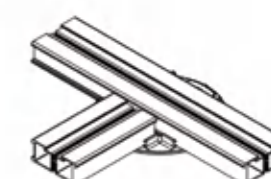
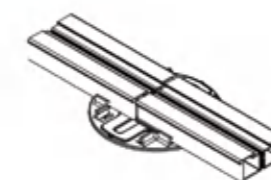
L shape bracket



Joist joint

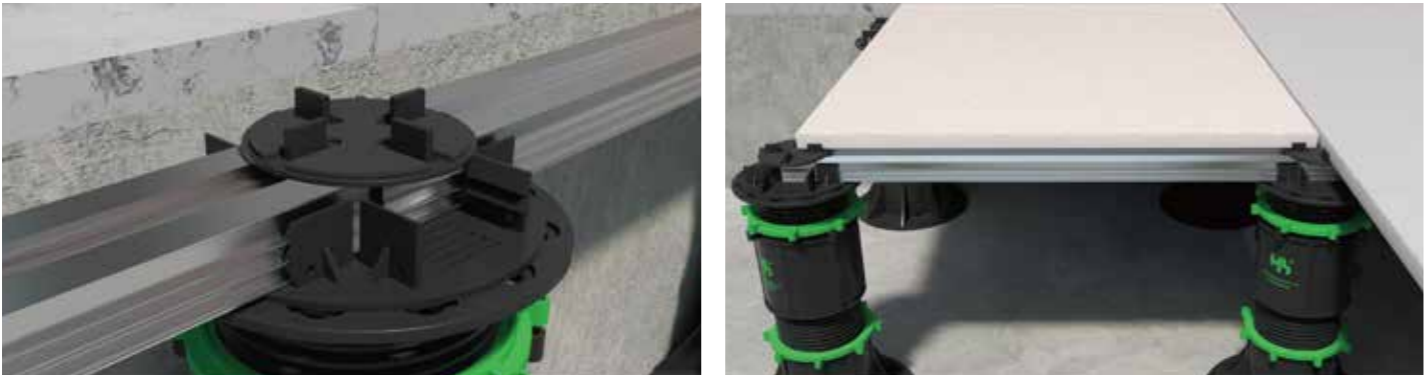
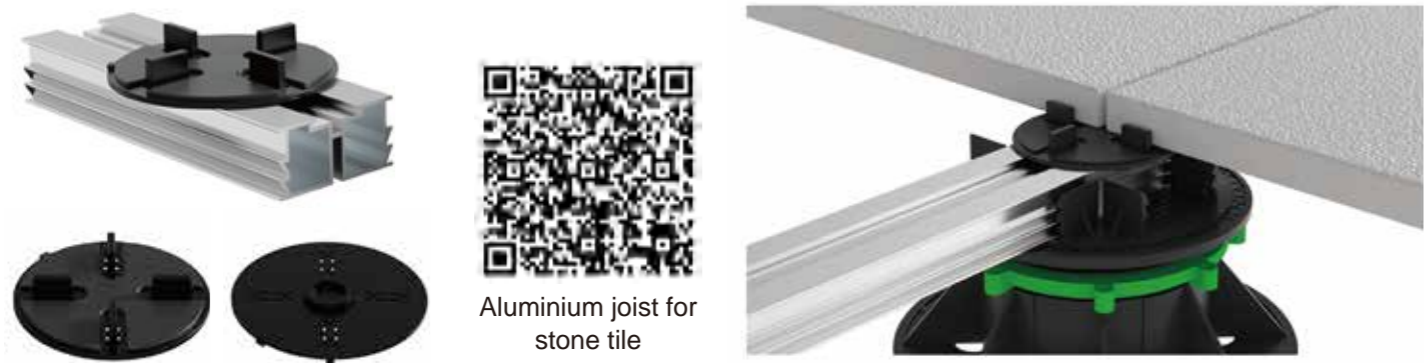
Joist joint - A non-structural product, therefore it only acts as a connection between various joists to avoid any displacement.

Rubber stripe - It can be placed on the aluminium joists for the entire length or in the chosen points, in order to avoid direct contact between the plates and the metal.



Joist spacer tabs

The spacer tabs attached with rubber which designed for aluminum joist and use for paver.



Steel clips

The steel clips which designed for aluminum joist and use for decking boards.



Safety panel

We have 3 kinds of safety panel, galvanized steel panel, stainless steel panel and plastic panel. After placing the tile on it, when the tile breaks, it can prevent people or objects from falling and keep it safe.

These safety panels can also be installed with wind-proof lock. So the system not only preventing falling down but also wind-proofing.

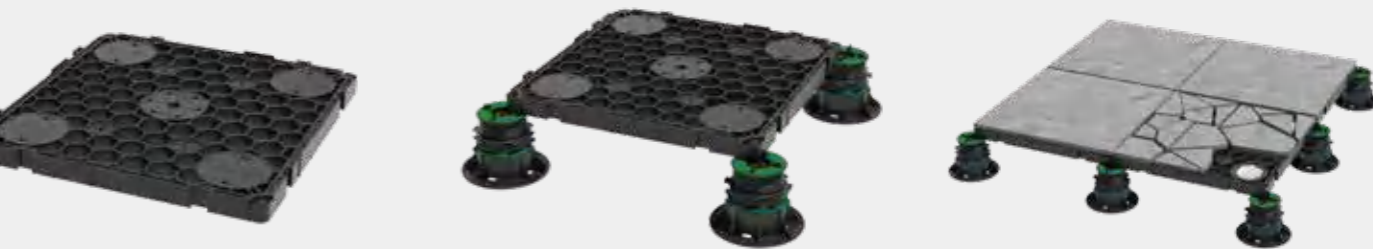
Galvanized steel safety panel



Stainless steel safety panel



Plastic safety panel





600x600x40mm safety panel



soft rubber spacer tabs



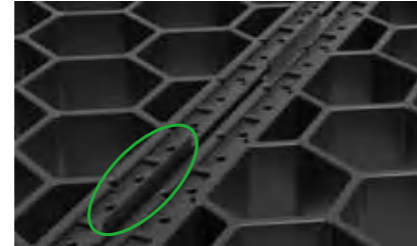
metal lock



screw

Advantage

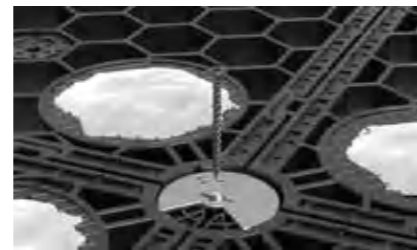
1. When Supports 600x600 tile, there are limit baffles on the side to prevent the tile from sliding. You can also choose a style without limit baffles to support tiles of other sizes.



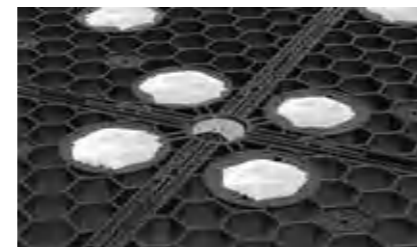
2. The product has a hexagonal honeycomb structure, which has better load-bearing and is stronger and more stable.



3. Each protection board has male and female connectors that snap into each other.



4. It can be locked on the pedestal with a metal cover and nails to prevent wind.



5. Glue can be applied to the surface and edges to fix the tiles to prevent wind.



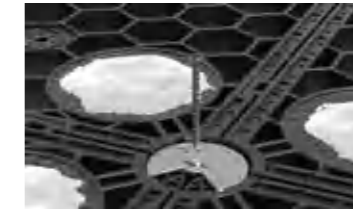
6. There is an adjustment hole in the middle, you can use the adjustment key to adjust the height of the pedestal.

7. You can use Moonbay soft rubber spacer tabs to divide the tiles, this gives you a lot imagination to design the surface tile.

600x600mm tiles



► Step 1: Lay and level the safety panel on the pedestal



► Step 2: Screw the panel on the pedestal (if needed)



► Step 3: Apply silicone glue to the plastic panel



► Step 4: Lay and level the tile on the safety panel



► Step 5: Finish the pavement one by one

Other tile size tiles



► Step 1-3: Same as 600x600 tile installation step 1 to step 3



► Step 4: Lay and level the tile on the safety panel

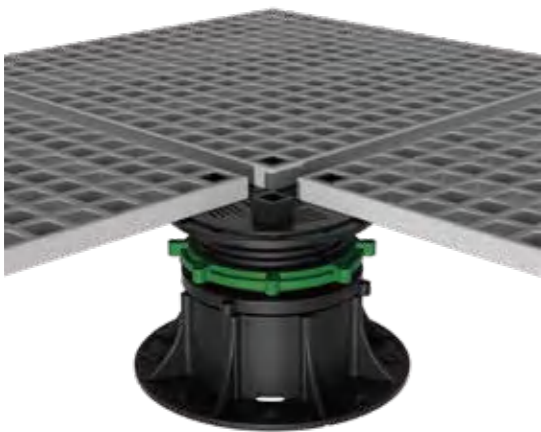


► Step 5: Finish the pavement one by one

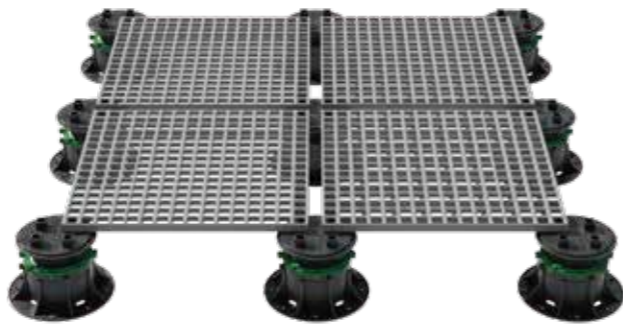
Grating Panel Support



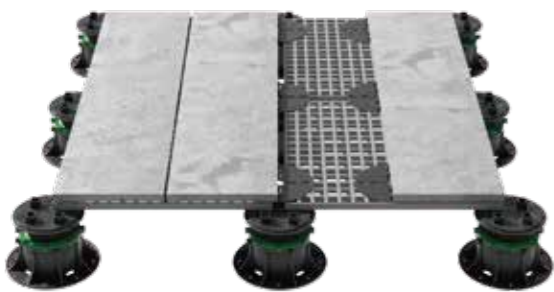
Installation



► Step1: Install the grating panel on the head



► Step2: Leveling the pedestal and grating panel



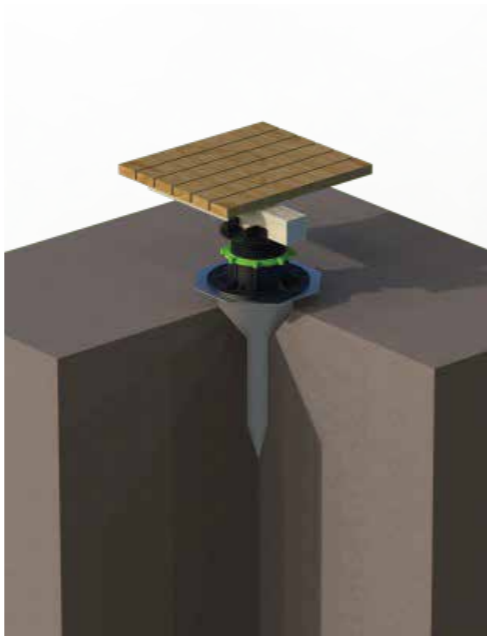
► Step3: Put the soft rubber spacer tabs on the grating panel and install the tiles



► Step4: Finish the installation

Moonbay Spike

The Moonbay spike are suitable for sandy soil areas. When the supporter is difficult to stand on the soft sand, the spike can prevent the adjustable pedestal from sinking.



Loading



Entire



Half



Quarter

Code	Height Range (mm)	Max loading (Kg)			Breaking loading (Kg)		
		Entire	Half	Quarter	Entire	Half	Quarter
MB-FP-01	12.5	1630	1356	1195	2650	2439	1989
MB-FP-02	16	1625	1347	1189	2677	2468	1967
MB-T0	14-19	980	786	620	1350	1162	982
MB-T0-A	19-30	965	798	669	1298	1089	995
MB-T0-B	28-42	955	820	683	1250	1060	965
MB-T0-C	40-65	975	765	652	1325	1136	925
MB-T0-D	65-105	925	735	698	1386	1298	970
MB-T0-E	90-180	920	730	690	1356	1150	968
MB-T0-F	185-320	926	760	685	1365	1159	965
HMB-T1-A	250-370	915	726	650	1265	1120	925
HMB-T2-A	370-560	926	739	625	1290	1129	920
HMB-T3-A	500-760	915	725	630	1285	1090	915
HMB-T4-A	600-930	925	719	626	1129	1125	890
HMB-T5-A	750-1100	910	725	652	1025	1100	860
HMB-T6-A	900-1260	850	710	620	1260	1120	810

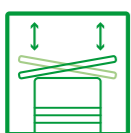
Self-Leveling steel pedestal



1. Reach A1/A2 fire rating.



2. Experiments have proved to withstand the weight of 2 tons.



3. Self-leveling head for slopes from 0 to 5%.



4. Complete assembled product, save labor.



5. Coated with protective layer



6. Height adjustment key



7. With fix collar lock accessory



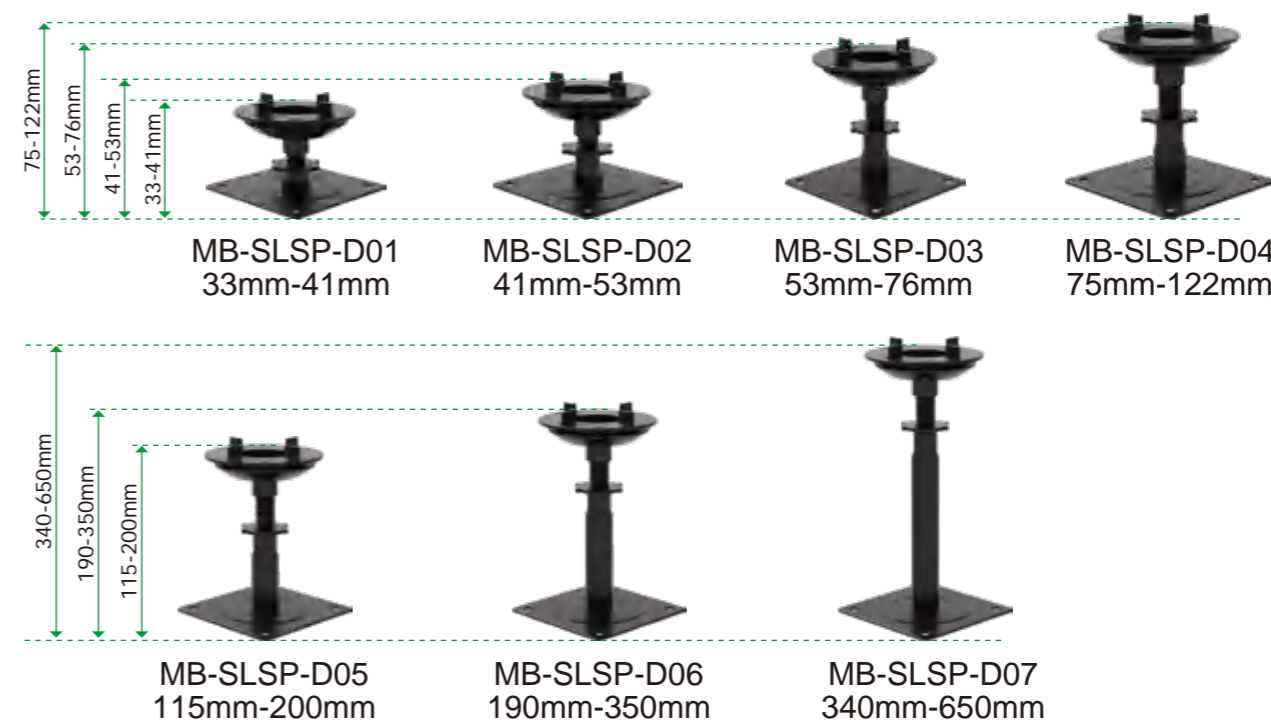
8. Transport costs considerably reduced as the product is supplied assembled .



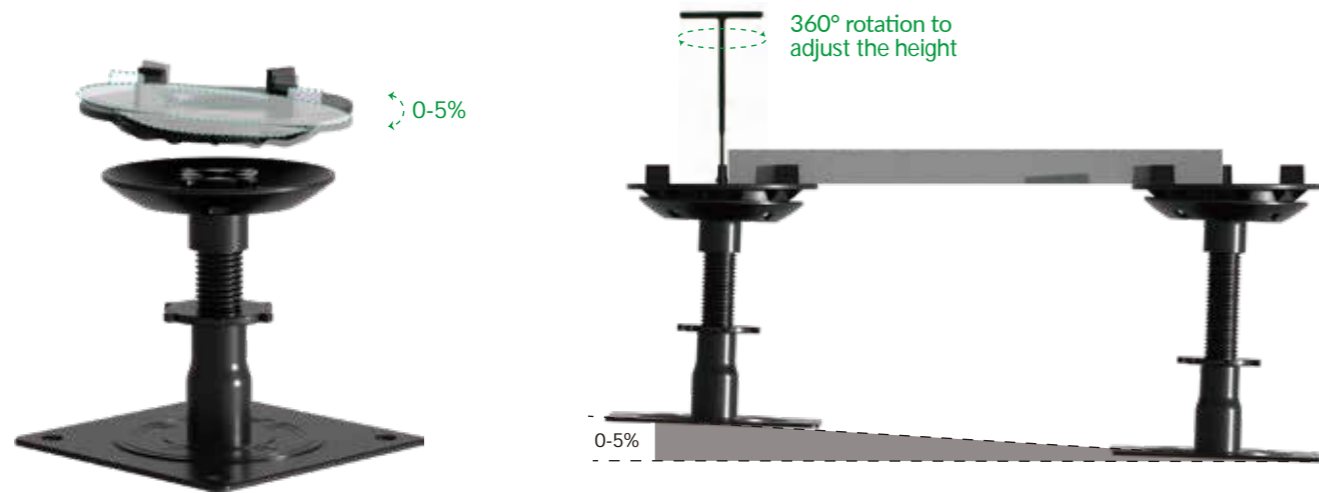
Self-Leveling steel pedestal

Self-leveling head for tile
2/3/4mm

50mm Self-leveling head
for joist

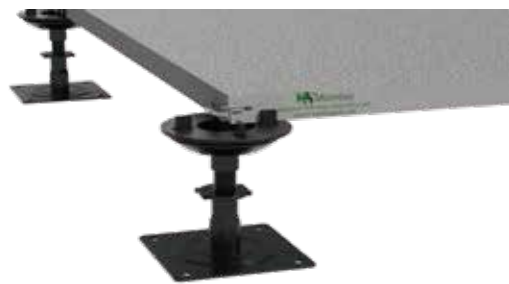


From 33 mm to 650 mm and customizable height.



Self-leveling head Ø 90 mm
Allowing to get a perfect flat pavement even on rough ground.

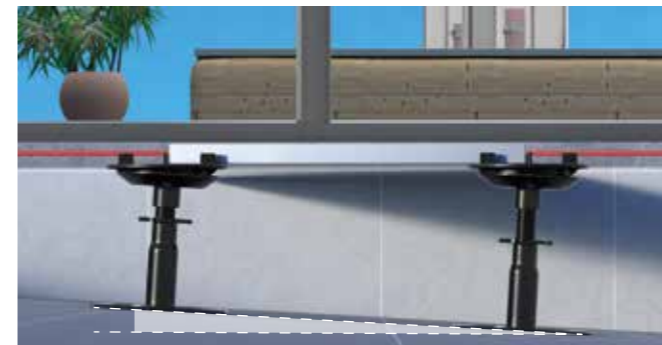
Welcome to contact us to get a calculation form.



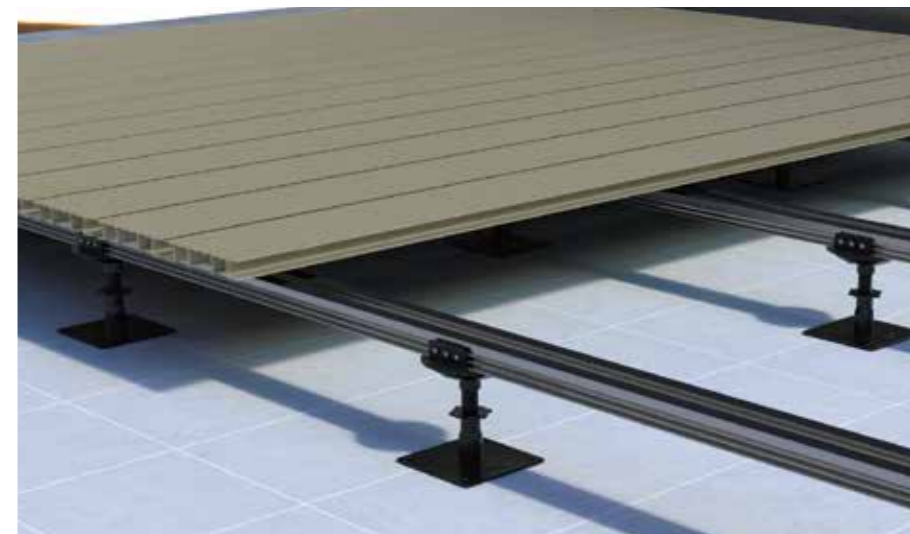
PEDESTAL QTY CALCULATION	
TILE SIZE	PCS/SQM
600x600 mm	2.8 PCS
500x500 mm	4 PCS
400x400 mm	6.3 PCS



PEDESTAL QTY CALCULATION	
INSTALLATION DISTANCE	PCS/SQM
300x300 mm	11
400x400 mm	6
450x450 mm	5
500x500 mm	4
We advice buy 10% more of total quantity	



1. Slope compensation detail using self-leveling pedestal with tiles. automatically adjust slope 0%-5%.
Self-leveling steel pedestal support tiles, automatically adjust slope 0%-5%, the whole system pedestal-joist-tiles are all made of Class A fire proof material.

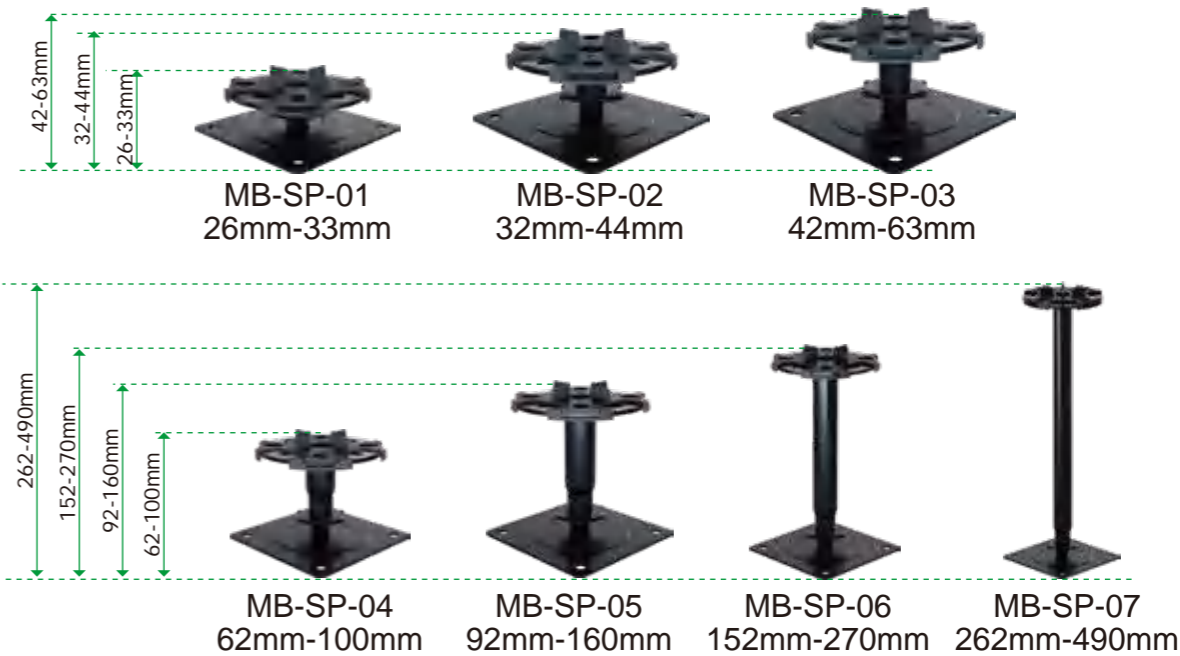


2. Slope compensation detail using self-leveling pedestal with aluminum joist and aluminum sheet. All the system is made of class A fire rated material.
Self-leveling steel pedestal support aluminum decking, automatically adjust slope 0%-5%, the whole system pedestals-joists-decking boards are all made of Class A fire proof material.

Steel pedestal for paving tiles



Steel pedestal for decking boards



From 26 mm to 490 mm and customizable height.
All the system is made of steel, A1 fire rated.

Welcome to contact us to get a calculation form.



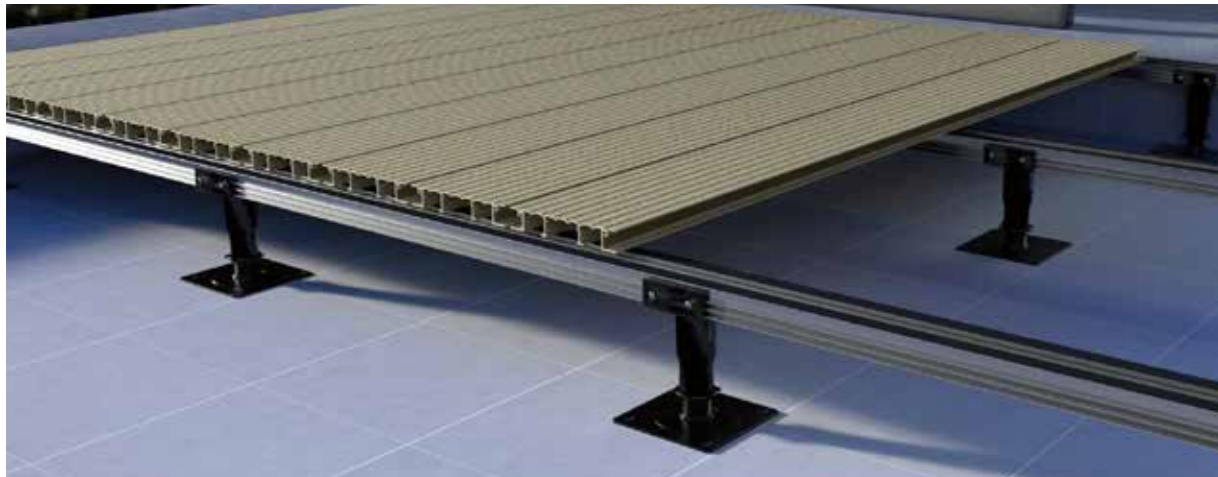
PEDESTAL QTY CALCULATION	
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600x600 mm	2.8 PCS
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PEDESTAL QTY CALCULATION	
INSTALLATION DISTANCE	PCS/SQM
300x300 mm	11
400x400 mm	6
450x450 mm	5
500x500 mm	4
We advice buy 10% more of total quantity	



1. Adjust the height using pedestal with tiles.



2. Adjust the height using pedestal with aluminum joist and aluminum sheet.

MB-SP Type



MB-SP Type
non combustible steel pedestal for tiles
Class A fireproof

Code	MB-SP-01	MB-SP-02	MB-SP-03	MB-SP-04	MB-SP-05	MB-SP-06	MB-SP-07
Height Range (mm)	26-33	32-44	42-63	62-100	92-160	152-270	262-490

Height Range Can Be Customized



MB-SJS Type



MB-SJS Type
non combustible steel pedestal for decking
Class A fireproof

Code	MB-SJS-01	MB-SJS-02	MB-SJS-03	MB-SJS-04	MB-SJS-05	MB-SJS-06	MB-SJS-07
Height Range (mm)	26-33	32-44	42-63	62-100	92-160	152-270	262-490

Height Range Can Be Customized



Aluminum Decking

Aluminum decking has several advantages, making it a popular choice for both residential and commercial applications.



FIRE RESISTANCE
Aluminum has a high melting point and is class A non-combustible, making it a safe choice in areas prone to wildfires or for use in fire-resistant building designs.



DURABILITY
Aluminum decking can withstand harsh weather conditions, including rain, snow, and UV rays, without deteriorating over time. This longevity often means lower maintenance costs compared to other decking materials.



LOW MAINTENANCE
Aluminum decking requires minimal maintenance. It doesn't need staining, sealing, or painting like wood decks. Regular cleaning with soap and water is usually sufficient to keep it looking good.



LIGHTWEIGHT
Aluminum is lightweight compared to many other decking materials, making it easier to transport and install. This can be an advantage for both DIY homeowners and professional installers.



ECO-FRIENDLY&RECYCLABLE
Aluminum is a recyclable material, which makes it an environmentally friendly choice. It can be recycled repeatedly without losing its properties.



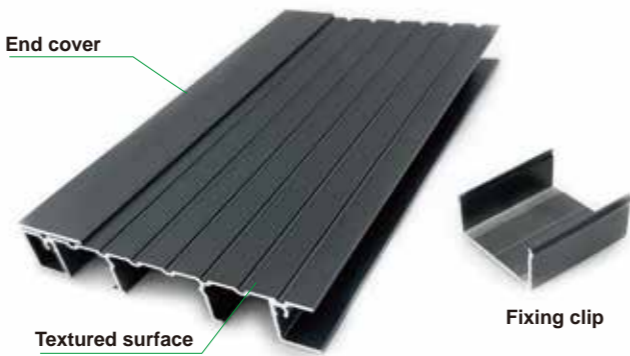
PEST RESISTANCE
Aluminum is impervious to pests like termites, which can be a concern with wood decking.



Basic Flat Board

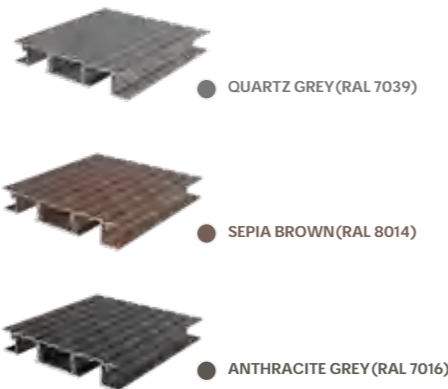
120-20mm

Moonbay Basic Flat Board is comprehensive class A non-combustible. Decking board, support joist, and trim available. This system is perfect for the retrofit or replacement market, this product will span 600mm between supports on a 2kN point load, it can be used with all of our support systems. It is fast and efficient to install with an unique fast clip down installation solution.

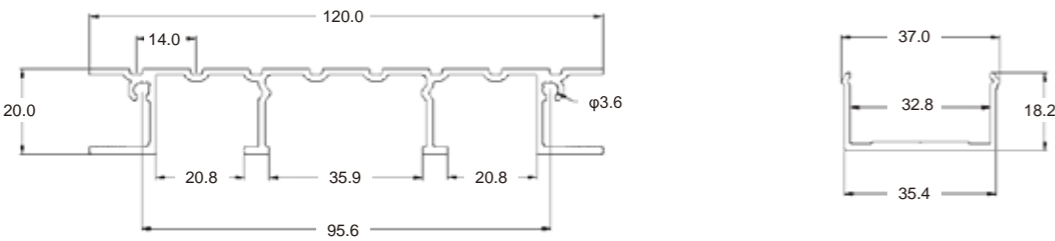


PRODUCT SPECIFICATION

- Fire Rated: A2-s1, d0 & A2fl-s1
- Dimensions 120mm x 20mm
- Material: 6063 T6 aluminium 70% minimum recycled
- Colour: RAL 7016; RAL7039; RAL8014, Other colour customized
- Stock Extrusion lengths 4m
- Span 600mm to meet BS8579:2020
- Slip Resistance Tested – Exceeds minimum wet and dry

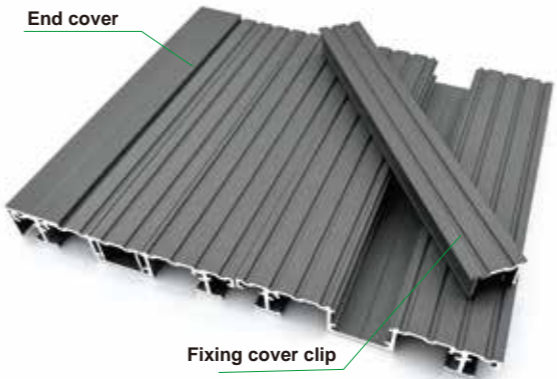


DIMENSIONS



Junior Flat Board

120-20mm



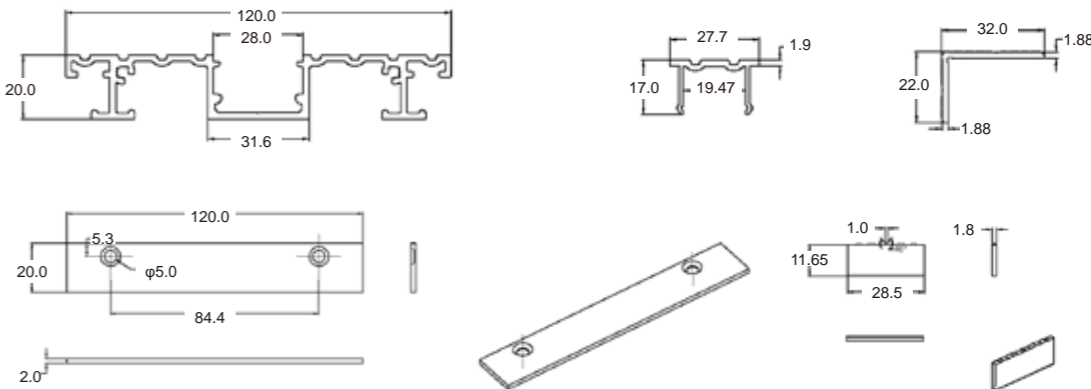
Moonbay Junior Flat Board is comprehensive class A non-combustible. Decking board, support joist, and trim available. offering excellent span but only 20mm board depth and fully tested for Fire, Slip, and Wear Resistance. Available in 3 standard colour, other colour can be customized.

PRODUCT SPECIFICATION

- Fire Rated: A2-s1, d0 & A2fl-s1
- Dimensions 120mm x 20mm
- Material: 6063 T6 aluminium 70% minimum recycled
- Colour: RAL 7016; RAL7039; RAL8014, Other colour customized;
- Stock Extrusion lengths 4m
- Span 800mm to meet BS8579:2020
- Slip Resistance Tested – Exceeds minimum wet and dry



DIMENSIONS



Integrated Drainage Flat Board

The Integrated Drainage Flat Board is tailor-made for balcony manufacturers. With an extra-wide surface, the 60mm central fixings channel in the board allows for lifting eyes to be placed with all decking boards. With an integrated Drainage Channel providing a water-management solution.



PRODUCT SPECIFICATION

- Fire Rated: A2-s1, d0 & A2fl-s1
- Dimensions 185mm x 20mm
- Material: 6063 T6 aluminium 70% minimum recycled
- Colour: RAL 7016; RAL7039; RAL8014, Other colour customized;
- Stock Extrusion lengths 4m
- Span 800mm to meet BS8579:2020
- Slip Resistance Tested – Exceeds minimum wet and dry



● QUARTZ GREY (RAL 7039)

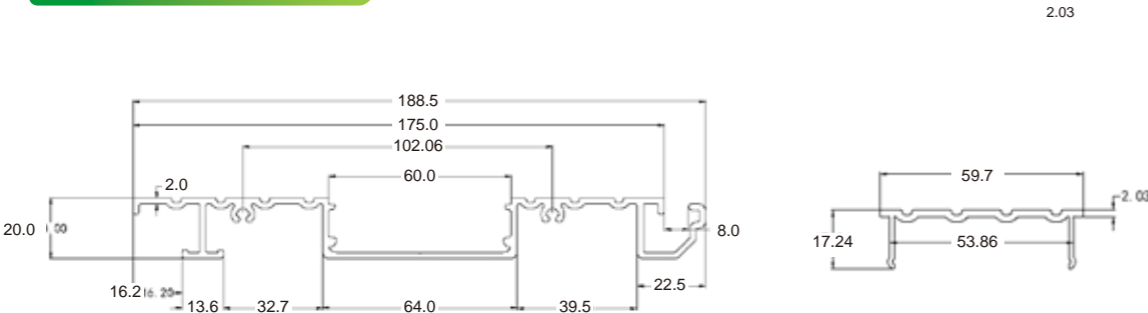


● SEPIA BROWN (RAL 8014)



● ANTHRACITE GREY (RAL 7016)

DIMENSIONS



BALCONY DRAINAGE SYSTEM

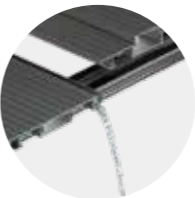


Moonbay integrated Drainage Flat Board waste water is directed to the ends of the balcony. Moonbay integrated Drainage Flat Board is a positively-drained solution for balconies, designed to effectively capture and channel rainwater and spillages to reduce the risk of liquids falling onto passers-by or lower balconies underneath.



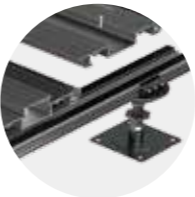
Steel Pedestal

This Integrated Drainage Flat Board match Moonbay steel pedestal and aluminum joist perfectly, as the steel pedestal is height and slope adjustable, it is easy to level the aluminum decking boards.



Drainage Channel

The Integrated Drainage Flat Board has an integrated Drainage Channel providing a water-management solution.



Aluminium Joist

Both 50x25mm and 50x70mm joist can be used in your project, the 50x25mm joist center to center span is 400mm and 50x70mm span 800mm.

Installation



1

Put the steel pedestal in position, making sure leaving enough space for joist and decking height



2

Leveling and screw the aluminum joist



3

Fixing the first starting aluminum decking boards/fixing clips by using SS self tapping screws



4

Measure the second fixing position, and screw a M2 hole on fixing position making sure the gap between each board no less than 5mm



5

Fixing the second decking board



6

Repeat step 4 and step 5



7

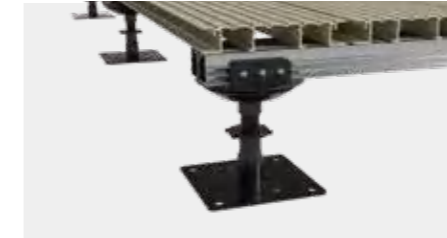
For the final board, cut and the board to match the space, making sure you leave no less than 10mm space from board edge to the wall



8

Install the angle trim by M4*20mm SS screws

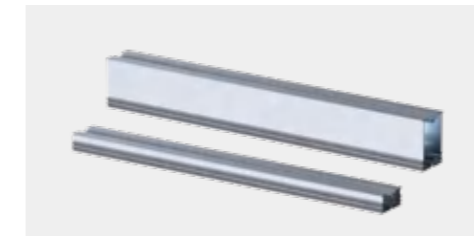
Accessory



Steel pedestal

Steel pedestal with joist head support aluminum decking by aluminum joist, all product made of metal, meet A2 fire resistance.

Moonbay self-leveling pedestal system automatic adjustment for slope 0% -5% which allowing to get a perfect flat pavement even on rough ground. We offer different height ranges from 40mm to 545mm



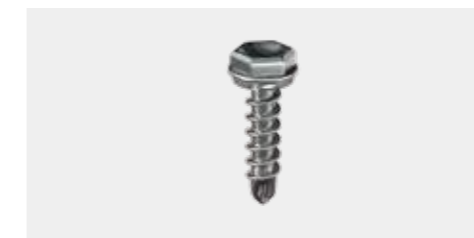
Aluminum joist

Aluminum joist provides strength and stability to the deck area, Moonbay joist with two heights for different loading capacity option.



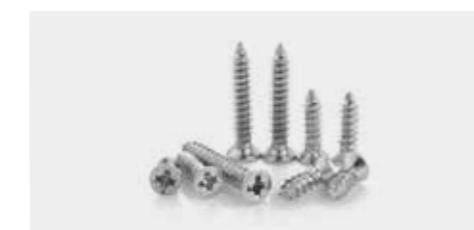
Angle trim

Standard colour RAL 7016; RAL7039; RAL8014 available, other color can be customized. The angle trim is 30mm x 20mm and provides a simple solution to finish the board.



SS self tapping screws (M4*20mm)

These screws are used to fix the decking boards on the joist.



SS screws

These screws are used to fix the joist on steel pedestal.

1. FIRE RESISTANCE

The boards are manufactured completely from aluminum and are therefore fire resistant and non-combustible to A2-s1, d0 and A2fl-s1.

2. DRAINAGE

They can also be spaced to allow for varying drainage requirements (unlike any other system).

3. SLIP RESISTANCE

DIRECTION	CONDITION				1	2	3	4	5	MEAN	PREV	RISK
	Dry	70	68	67	67	67	67	67	66	67	0	Low
	Wet	44	41	39	39	39	38	38	38	38	0	Low
	Dry	65	64	64	64	64	64	63	62	63	0	Low
	Wet	44	44	39	38	38	38	38	38	38	0	Low
	Dry	66	65	64	64	64	63	62	62	63	0	Low
	Wet	50	47	45	45	45	44	44	44	44	0	Low

Pendulum Test Values (PTVs)

Low Slip Potential 35+ | Moderate Slip Potential 25-35 | High Slip Potential 0-25

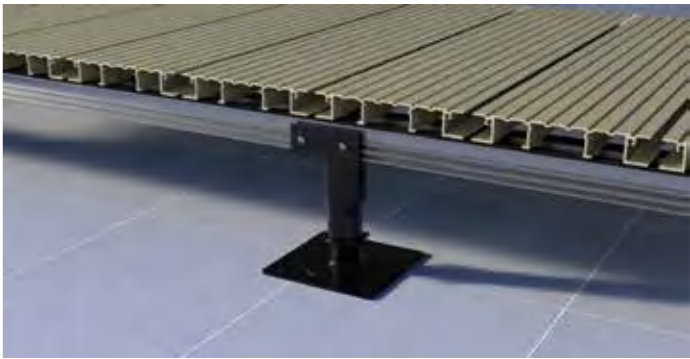
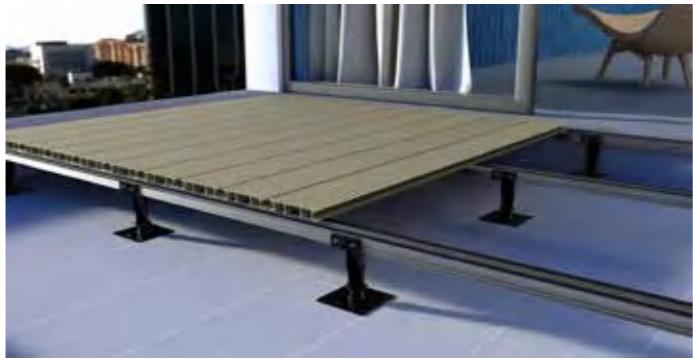
Please Note:The test is conducted 8 times , with the first three tests being ‘warm up tests’ the data then starts to be recorded upon the 4th test. The average is taken from the 5 tests and is shown in the column marked MEAN. The directions are; Length, Width & Diagonal. Each direction has a score depending on wet and dry conditions. Direction A is length, direction B is width, and direction C is diagonal.

4. INSTALLATION

Speed and ease of installation are key to any project, so we have designed a board that has a unique invisible (structural) top clip system which can be installed from the top down. The board can also be trimmed down the length to match any projection of balcony and still be structurally stable across the whole plank.




















5. AESTHETICS









Aesthetics are key to a great finish; our boards are designed to look like decking but not to feel like aluminum.




Accessories of Adjustable Pedestal

MODULE	PICTURE	MODULE	PICTURE
Tile Spacers tab thickness 4mm		Fix Collar	
15mm extension pad		Big Fix Collar	
40mm extension pad		Connecting Rod	
Self-leveling head for paver support (2mm/3.5mm/5mm)		small joist cradle	
Self-leveling head for stone tile		joist cradle 40mm	
Self-leveling head for aluminum joist		joist cradle 50mm	
Self-leveling head for decking joist		joist cradle 60mm	
self-leveling connector		joist cradle 80mm	
Stainless steel screws(M4*16)		Aluminum joist click	
adjustment key		spacer tabs with soft rubber for aluminum joist (2mm,3.5mm,5mm)	

MODULE	PICTURE	MODULE	PICTURE
Aluminum joist connector		base rubber pad	
50x25mm Aluminum joist		base rubber pad 210mm	
50x70mm Aluminum joist		base rubber pad 230mm	
10mm rubber pedestal		Sloped Shim	
14mm rubber pedestal		200mm base slope corrector	
shim for rubber pedestal		220mm base slope corrector	
3.5mm Stabilizer Disz		wood tile connector with 4pins	
MB-FP-01 12.5mm fixed height pedestal		wood tile pins	
MB-FP-02 16mm fixed height pedestal		multifunctional spacer tabs (2mm,3.5mm, 5mm, 8mm, 10mm)	
rubber shim for 16mm stackable pedestal		wind-proof	

MODULE	PICTURE
wind-proof	
wind-proof	
wall side soft perimeter spacer	
wall side steel clip	
side closure top steel clip 01	
side closure bottom steel clip 02	
grating panel locating block (36*36*15mm)	
grating panel locating block (43*43*15mm)	
spike for soft land	
rubber strip (each meter joist cradle needs two meter rubber strip)	

MODULE	PICTURE
clips for wood decking	
600x600x40mm safety panel	
SS/Galvanized steel safety panel	



Accessories of Adjustable Pedestal

Project Distribution Map

