

# MATRIX PEDESTALS™

PEDESTAL SUPPORT SYSTEM FOR PAVERS



## MATRIX PEDESTALS

### 7X ADJUSTABLE PEDESTAL

ADJUSTS FROM 3" - 5"

9/16" TOP TAB with 3/16" SPACER INCLUDED



Item Code: 604134

30 UNITS PER BOX



[Matrixpedestals.com](http://Matrixpedestals.com)

**MATRIX**  
PEDESTALS™

# MATRIX™

## PEDESTALS

### AUTOLEVELLING



**MATRIX**  
AUTOLEVELLING HEAD  
CROSS 3 mm



**MATRIX**  
AUTOLEVELLING  
HEAD.



**MATRIX**  
AUTOLEVELLING HEAD FOR  
WOODEN BEAM HEAD  
HOLDER - 40-50 mm



**MATRIX**  
AUTOLEVELLING  
HEAD FOR WOODEN  
BEAM HEAD SIMPLE -  
up to 80 mm.

### GENERAL ACCESSORIES



**MATRIX**  
Straight spacer 3mm.  
(bag 40 units) Height  
16mm.



**MATRIX**  
Plus shape formed joint  
strips can be sit in the  
middle of pedestal and  
have 3mm thickness.  
Height 16mm.



**MATRIX**  
This type of carcass  
assembly equipment  
is put every point on  
pedestal except central  
point.



**MATRIX**  
X formed Carcass  
Assembly Equipment  
does sit on top and  
central of the pedestal.



**MATRIX**  
DAMPER TB-A  
(40 Units Bags)



**MATRIX**  
ADJUSTABLE HEIGHT  
COMPLEMENT.



**MATRIX**  
FIX COLLAR  
TB-CR.



**MATRIX**  
Slope Correctors, sit  
under bottom pedestal,  
avoids all impacts from  
drain slopes.

### OTHER ACCESSORIES



**TB-SP**  
WALL SPACER



**TB-MBF**  
METALLIC  
BOTTOM  
FRAME.



**TB-MTF**  
METALLIC TOP  
FRAME.



**TBR-AK**  
HEIGHT  
ADJUSTABLE KEY



**TB-PV**  
SCREW WIND  
PROTECTOR TB-  
PV (100 units  
Bag).

### Application

Adjustable pedestals Matrix allow to regulate accurate and permanent height. Can support any type of ceramic or timber decking, stone, concrete paving or flag material, as well as fiber glass or metal grid panels.

Suitable for any kind of stable substrate, including applications directly over insulation panels.

| Covering size | m <sup>2</sup> / pcs. |
|---------------|-----------------------|
| 30 x 30 cm    | 13,80                 |
| 40 x 40 cm    | 7,80                  |
| 30 x 60 cm    | 6,70                  |
| 40 x 60 cm    | 5,20                  |
| 50 x 50 cm    | 5,00                  |
| 60 x 60 cm    | 3,50                  |

# MATRIX

PEDESTALS

MATRIX ADJUSTABLE

**Model:** 7X  
**Measures:** 3"-5"  
**Unit weight:** 422g.

**UNITS PER BOX 30**



Matrix pedestals for raised floors with adjustable height from 3"-5", provided of bi-component head.

Pedestals are composed by a cylindrical base element of 195 mm diameter for resting on the laying surface, an intermediate screw with a locking security system

## Technical Features

The products are produced From recycled (PP) Materials.

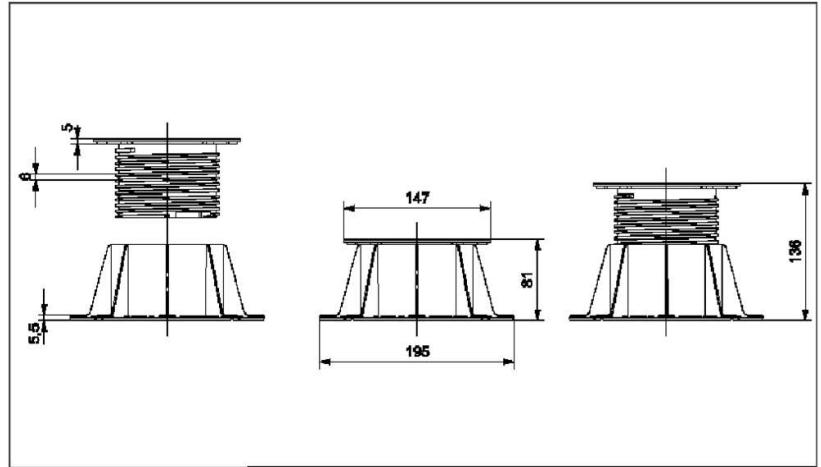
From recycled (PP) materials.  
 Height range is 3"-5".

This pedestal is comprised with base, head and slope and corrector.

Top-diameter 147mm, surface area 170 cm<sup>2</sup> and wall thick 5mm.

Bottom-diameter 195 mm, surface area 299 cm<sup>2</sup> and wall thick 5,5 mm

Resistant to bad weather conditions, UV light, aging and most of chemical reaction.



## TEST RESULTS

| Position | Height (mm) | Slope | Load (daN) |
|----------|-------------|-------|------------|
| 1/1      | 82          | 0%    | 2480       |
| 1/2      | 82          | 0%    | 1430       |
| 1/4      | 82          | 0%    | 765        |
| 1/1      | 135         | 5%    | 1320       |
| 1/2      | 135         | 5%    | 885        |
| 1/4      | 135         | 5%    | 530        |



**1/1:** Load evenly applied across entirety of the load-bearing surface



**1/2:** load applied to half of load-bearing surface.



**1/4:** load applied to one quarter of the load-bearing surface.

**1 daN = 1 kg / f = 2,23 lb / f**

# Understanding Matrix Pedestal Load Testing

Matrix adjustable pedestals are laboratory tested under multiple load-distribution conditions to simulate real-world raised flooring and paver installations. The load charts shown on the Matrix technical data sheets represent controlled structural testing scenarios under different surface loading conditions.

## Full Surface Load (1/1)

The load is distributed evenly across the entire top surface of the pedestal. This represents the most favorable loading condition, such as a large paver centered evenly on the pedestal.

## Half Surface Load (1/2)

The load is applied to only half of the pedestal surface. This simulates edge loading or off-center bearing conditions commonly encountered in raised flooring systems.

## Quarter Surface Load (1/4)

The load is concentrated on one quarter of the pedestal surface. This is the most demanding condition and simulates concentrated corner loading or point-load scenarios.

| Load Distribution     | Height        | Load (kg) | Load (lbs) |
|-----------------------|---------------|-----------|------------|
| Full surface (1/1)    | 133mm (5.24") | 1,590 kg  | 3,505 lbs  |
| Half surface (1/2)    | 133mm (5.24") | 1,045 kg  | 2,304 lbs  |
| Quarter surface (1/4) | 133mm (5.24") | 605 kg    | 1,334 lbs  |
| Full surface (1/1)    | 225mm (8.86") | 1,395 kg  | 3,075 lbs  |
| Half surface (1/2)    | 225mm (8.86") | 985 kg    | 2,171 lbs  |
| Quarter surface (1/4) | 225mm (8.86") | 715 kg    | 1,576 lbs  |

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## Engineering & Material Performance

Structural performance is determined by engineering design, geometry, and material composition — not simply by visible wall thickness. Modern engineered polypropylene compounds and reinforcing additives allow today's pedestal systems to achieve significantly higher structural performance compared to many earlier-generation pedestal designs, even when using more optimized wall profiles.

## Important Structural Note

In raised flooring systems, the pedestal is typically not the limiting structural component. In many applications, the porcelain or concrete paver itself will reach its failure point before the pedestal structure underneath.

For larger format pavers and concentrated point-load applications (such as outdoor furniture, terraces, commercial traffic areas, or rooftop installations), Matrix recommends the use of additional center pedestal support to reduce tile flex and improve load distribution.

Matrix adjustable pedestals are engineered for commercial and residential raised flooring applications and are designed to perform competitively with major pedestal systems in the market.