

MATRIX PEDESTALS™

PEDESTAL SUPPORT SYSTEM FOR PAVERS



MATRIX PEDESTALS

5X ADJUSTABLE PEDESTAL

ADJUSTS FROM 1 1/2" - 2"

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



Item Code: 647866

30 UNITS PER BOX



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 ² / 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: 5X

Measures: 1 1/2"- 2"

Unit weight: 26g

UNITS: 30 Per box

Matrix pedestal for raised floors with adjustable height from 1 1/2"-2" , 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.

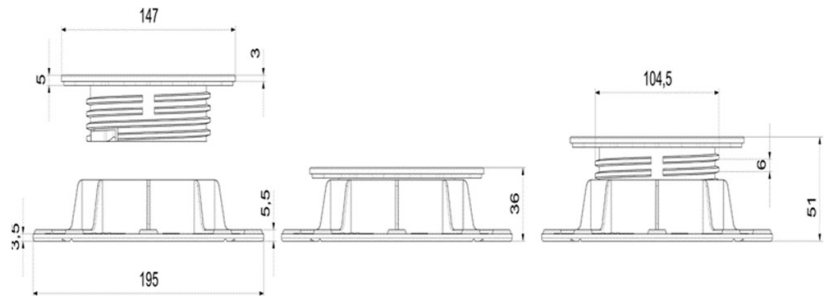


Technical Features

The products are produced from recycled (PP) materials.

Height range is 1 1/2"- 2".

This pedestal is comprised with base, head and slope and corrector
 Top-diameter 147 mm, surface area 170 cm² and wall thick 5 mm
 Bottom-diameter 195mm, surface area 299 cm² 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	36	0%	2540
1/2	36	0%	1650
1/4	36	0%	675
1/1	51	5%	1156
1/2	51	5%	745
1/4	51	5%	320



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

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.