MATRIX PEDESTALS™

Product Description

* Supports pavers to provide drainage.
* Elevates pavers, effectively drain water from roof or plaza.
* Utilizing more space that would have been lost.
* Turn plain roofs and other areas into pedestrian plazas.

Matrix Pedestals offers a conventional method of setting precast concrete, paving slabs into a sand, gravel or mortar bed roof top, plaza decks, promenade and other deck systems. Wherever pavers occur over waterproofed decks . With Pedestals For Pavers you will get the support and water drainage you need to keep your pavers looking great.

Tab spacers to give you even joint spacing for that perfect job. Allowing water drainage.

Adjustable Pedestals.

Paver Pedestals.

Leveling Shims: 1/8 and 1/16 for leveling pavers.

MATRIXPEDESTALS.COM

MATRIX PEDESTALS™

Product Specifications.

Matrix Pedestals.

MATRIX- Paver Pedestal.

MATRIX- Paver Pedestal 1/8 Shim.

MATRIX- Paver Pedestal 1/16 Shim.

MATRIX– 5X,6X,7X,8X Adjustable Pedestals.

MATRIX- Coupler. (FOR 8X ADJUSTABLE ONLY)

MATRIX– Adjustable Pedestal: 6” 13/16 across flats, 9/16 ” thick, 3/16” tabs

MATRIX- Paver Shims: 1/8 and 1/16 for MATRIX Paver Pedestals.

MATRIX- Adjustable Pedestals: Rage from 1 1/4” to 7 1/2, 7” 3/8 base, 5” 5/8 top.

MATRIX- Coupler: 4” (For 8X Adjustable only)

Composition and materials:

MATRIX- Pedestals and shims: High-density polyethylene

MATRIX- Adjustable Pedestal and Coupler: Mineral filled High-density poly-ethylene.

Distribution Company.

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MATRIX-PEDESTALS

Staten Island building Products

MATRIX PEDESTALS™

Basic Use:

Matrix Pedestals support system. Support were concrete 2” thick pavers are used to allow support and water drainage. Roof tops, balcony, plazas, walkways, terraces, swimming pools. Etc.

Technical Data:

Matrix Pedestals support systems are for use with pedestrian traffic only; do not use with motorized equipment traffic. Matrix Pedestals Systems have a maximum 1000 lb./pedestal load baring capacity.

High-density polyethylene Properties:

Tensile Strength: ASTM D638

Tensile Elongation: ASTM D638

Flexural Modulus: ASTM D790

Maximum temperature: 248 F 120 C

Minimum temperature: -148F -100 C

Melting point: 266 F 130 C

Maintenance: Pavers should be routinely inspected for rocking. Pedestals can settle and must be realigned using a shim.

Warranty: Warranty against manufacturing defect for a period of (3) years.

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*Amendment for porcelain pavers. Due to the light weight and thickness of porcelain pavers. Lifting, vibration, bouncing and shifting may occur. Use at your own discretion. Matrix Pedestals are not responsible.

MATRIX PEDESTALS™

Installation:

Calculate Pedestals:

1) Count the total number of pavers. 2) Count total number of pavers around the perimeter and divide that number by 2. 3) Add the total count from step one and the sum count of step 2. 4) Multiply that number by 5% and add. Then you will get the number of Pedestals you will need.

On prepared areas were paver accommodations have been met.

Apply pavers as you normally would and place one pedestal on each corner.

Install Pedestals and level each paver. You can adjust the Adjustable Pedestal to level off the paver.

You can use a Paver Pedestal on the Adjustable Pedestal for added height, and level off the pavers.

Level each paver and adjust pedestal to support. Use shims to level off where needed.

In areas where a pitch is needed you can adjust the adjustable to accommodate the pitch. Add shims if needed.

Place pedestals firmly against paver and set. Tab will insure evenly spaced pavers.

MATRIX PEDESTALS™

Installation:

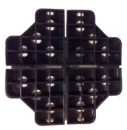
PEDESTALS:

- Set paver firmly against Pedestals.
- Use leveler to level pavers.
- Use the 1/8 or 1/16 Paver Shims to adjust pitch and level.
- Adjustable Pedestals can be used for added height.

Case Count:

- PAVER PEDESTALS. 100 units per case.
- PAVER SHIMS 1/8 100 units per case.
- PAVER SHIMS 1/16 100 units per case.
- ADJUSTABLE PEDESTALS 30 units per case.
- COUPLER FOR 8X ADJUSTABLE 30 units per case.

Availability and Delivery:



- Currently in stock and available.
- Delivery available threw out the U.S.A .
- Please order in advance to ensure quantities.

MATRIX PEDESTALS™

Installation:

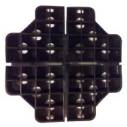
ADJUSTABLE PEDESTALS:

- Set paver firmly against Pedestals.
- Use leveler to level pavers.
- Use the 8X Adjustable Pedestal 4” Couple for add height.
- Paver Pedestals can be placed on Adjustable Pedestals for added height and adjustments.

Case Count:

- Adjustable pedestals. 30 units per case.
- 8X Adjustable Pedestals 4” EXTENDER. 30 units per case.
- 1/16 and 1/8 SHIMS 100 units.

Availability and Delivery:



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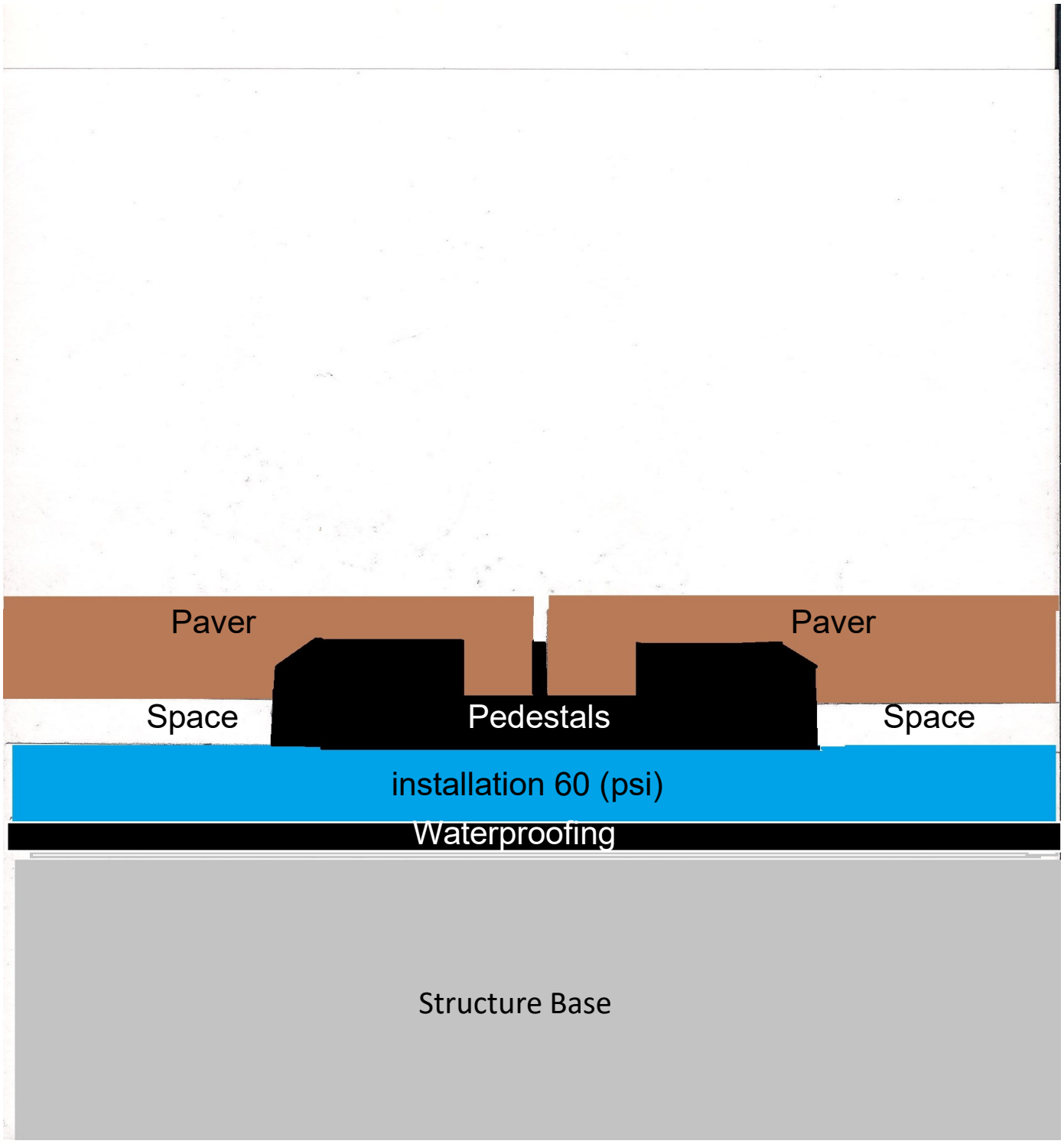
MATRIX PEDESTALS™

Installation Illustration:

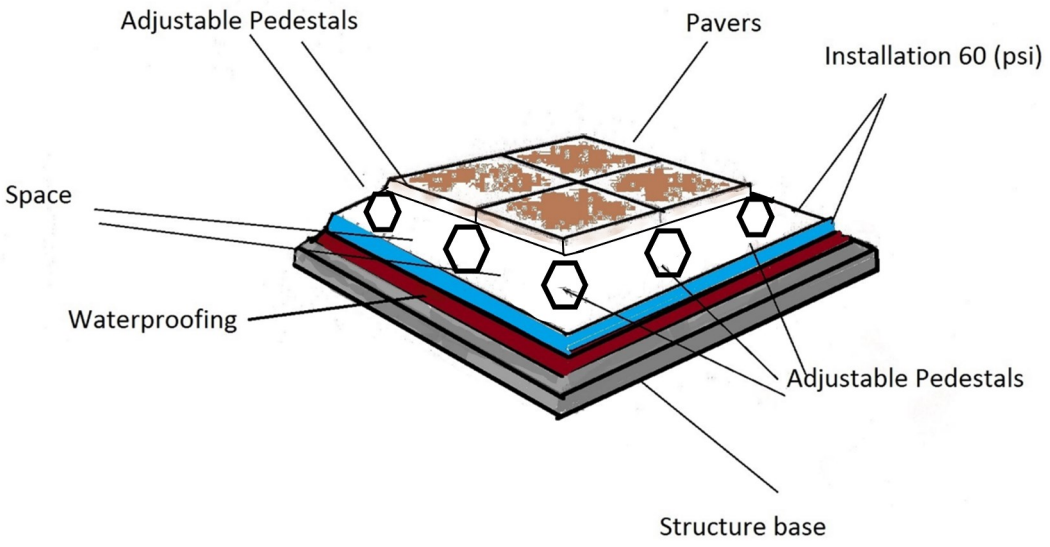
PAVER PEDESTAL.



MATRIX PEDESTALS™

Installation Illustration:

Pedestals.



POLYETHYLENE

Polyethylenes are semi-crystalline materials with excellent chemical resistance, good fatigue and wear resistance, and a wide range of properties (due to differences in length of the polymer chain.) Polyethylenes are easy to distinguish from other plastics because they float in water. Polyethylenes provide good resistance to organic solvents, degreasing agents and electrolytic attack. They have a higher impact strength, but lower working temperatures and tensile strengths than polypropylene. They are light in weight, resistant to staining, and have low moisture absorption rates.

Low Density Polyethylene (LDPE)

This extruded material offers good corrosion resistance and low moisture permeability. It can be used in applications where corrosion resistance is important, but stiffness, high temperatures, and structural strength are not. A highly flexible product, LDPE is used widely in orthopaedic products, or where mobility without stress fatigue is desired. LDPE is also frequently used in consumer packaging, bags, bottles, and liners.

High Density Polyethylene (HDPE)

Representing the largest portion of the polyethylene applications, HDPE offers excellent impact resistance, light weight, low moisture absorption, and high tensile strength. HDPE is also non-toxic and non-staining and meets FDA and USDA certification for food processing.

Ultra High Molecular Weight Polyethylene (UHMW PE)

Light weight (1/8 the weight of mild steel), high in tensile strength, and as simple to machine as wood, UHMW PE is the ideal material for many wear parts in machinery and equipment as well as a superb lining in material handling systems and storage containers. UHMW PE is self-lubricating, shatter resistant, long-wearing, abrasion and corrosion resistant. It meets FDA and USDA acceptance for food and pharmaceutical equipment and is a good performer in applications up to 180 °F (82 °C) or when periodically cleaned with live steam or boiling water to sterilize.

TYPICAL PROPERTIES of POLYETHYLENE

ASTM or UL test	Property	LDPE	HDPE	UHMW
	PHYSICAL			
	Density (lb/in³)	0.033	0.035	0.034
D792	(g/cm³)	0.92	0.95	0.93
D570	Water Absorption, 24 hrs (%)	<0.01	0	0
	MECHANICAL			
D638	Tensile Strength (psi)	1,800-2,200	4,600	3,100
D638	Tensile Modulus (psi)	-	-	125,000
D638	Tensile Elongation at Yield (%)	600	900	-
D790	Flexural Strength (psi)	-	-	-
D790	Flexural Modulus (psi)	-	200,000	125,000
D695	Compressive Strength (psi)	-	-	2,000
D695	Compressive Modulus (psi)	-	-	-
D785	Hardness, Shore D	D41-D50	D69	D62-D66
D256	IZOD Notched Impact (ft-lb/in)	No Break	3	No Break
	THERMAL			
	Coefficient of Linear Thermal Expansion			
D696	(x 10⁻⁵ in./in./°F)	3	6	11
	Heat Deflection Temp (°F / °C)			
	at 66 psi	120 / 48	170 / 76	203 / 95
D648	at 264 psi	105 / 36	150 / 40	180 / 82
D3418	Approx. Melting Temperature (°F / °C)	230 / 110	260 / 125	280 / 138
-	Max Operating Temp (°F / °C)	160 / 71	180 / 82	180 / 82
	Thermal Conductivity			
	(BTU-in/ft²-hr-°F)	-	-	2.92
C177	(x 10⁻⁴ cal/cm-sec-°C)	-	-	10.06
UL94	Flammability Rating	n.r.	n.r.	H-B
	ELECTRICAL			
D149	Dielectric Strength (V/mil) short time, 1/8" thick	460-700	450-500	900
D150	Dielectric Constant at 1 kHz	2.25-2.30	2.30-2.35	2.30-2.35
D150	Dissipation Factor at 1 kHz	0.0002	0.0002	0.0002
D257	Volume Resistivity (ohm-cm) at 50% RH	1015	1015	1018
D495	Arc Resistance (sec)	135-160	200-250	250-350

NOTE: The information contained herein are typical values intended for reference and comparison purposes only. They should NOT be used as a basis for design specifications or quality control. Contact us for manufacturers' complete material property datasheets. All values at 73°F (23°C) unless otherwise noted.