



EZ BASE Paver Base System

70971147 (245-930)

UPDATE

May 6, 2020

Make sure that you have an up-to-date technical data sheet in hand by consulting our website: techniseal.com
U.S.A. and Canada: dial 1 800 465-7325
Others: dial (514) 523-8324 (Canada)

APPLICATIONS

- Paver, natural stone and porcelain tile installation
- For patios and other pedestrian areas

PROPERTIES

- Easy to install
- Saves up to 8 inches of excavation
- Each panel replaces up to 250 lbs of base aggregates
- Ideal for porcelain tile installation
- Durable - will not degrade in the ground

DESCRIPTION

EZ Base is a high-density panel base system that replaces traditional compacted aggregate-base installations. It provides great stability to hardscape installations while reducing the required excavation. EZ Base panels are easy to cut and feature drainage holes and canals for water control and an overlap edge for stability.

DIRECTIONS

BEFORE YOU BEGIN

Before proceeding with the installation, make sure you have an up-to-date technical data sheet in hand visiting techniseal.com.

Necessary tools:

- Measuring tape
- Leveling strings and stakes
- Rake or shovel
- Hand tamper or plate compactor
- Straight leveling board
- Necessary tools to install paver edging and jointing sand

STEP 1: DETERMINING THE DEPTH AND AREA OF TOTAL EXCAVATION AND EXCAVATING

The total depth of excavation should include the geotextile and leveling sand (typically 1/2" compacted), the thickness of EZ Base (7/8") and the height of the pavers. On average, the total excavation depth should be approximately 3 3/4" (9.6 cm). The total area of excavation should be a minimum of 6" wider on each side than the dimensions of the finished paved area.

Example:

Compacted bedding sand	1/2" (1.25 cm)
EZ Base	7/8" (2.35 cm)
Paver thickness	2 3/8" (6 cm)
Total depth	3 3/4" (9.6 cm)

Important! Prior to excavation, always be sure to locate any underground utilities.



STEP 2: LEVELING AND COMPACTING THE BASE

Level the excavated area using a rake or a shovel. Ensure there is a slight slope away from the house. The slope should be about 1/4" per foot (0.5 cm per 30 cm). Using a plate compactor (preferred) or hand tamper, compact the ground adequately and ensure the surface is as smooth as possible, making sure to get rid of high and low spots (± 3/8" over 10 ft. [± 1 cm over 3 m]). Be sure to utilize a string level using stakes and string line to establish the proper slope of the final surface of the paved area. Use a hand tamp to compact any areas you were unable to reach with a plate compactor.



STEP 3: LAYING GEOTEXTILE

Lay down a geotextile fabrics (weed barrier) to cover the excavated area. Ensure the weed barrier fabrics overlap by at least 2" (5 cm) and extend slightly beyond the paver area.

**STEP 4: ADDING BEDDING SAND**

Spread an even layer of sand to a depth of $\frac{3}{4}$ " (2 cm) on top of the geotextile fabric. Screed the sand using a straight board and two $\frac{3}{4}$ " (2 cm) outside diameter screed rails (pipes). Once the sand has been spread, remove the screed rails and fill in the voids. Using a plate compactor or hand tamper, compact the sand until a final sand height of approximately $\frac{1}{2}$ " (1.25 cm) is reached.



STEP 5: INSTALLING EZ BASE PANELS

Install EZ Base panels over the bedding sand. Start installing against a straight edge, according to a staggered pattern. Ensure the edges of each panel overlap. Cut any visible curves and angles that are beyond the excavated area using a utility knife. The EZ Base installation should extend 6" (15 cm) on each side of the final exposed paved surface.



STEP 6: INSTALLING PAVERS

Lay pavers directly over the EZ Base panels. Ensure to keep an extra 6" (15 cm) wide space beyond paver surface for edge restraint. You may slide pavers into place. If paver line is crooked, hammer the row back in place with a rubber mallet.



STEP 7: INSTALLING EDGE RESTRAINTS

Once all pavers in place, install Techniseal edge restraints on the EZ Base, making sure it rests firmly against the pavers. Then, hammer Techniseal spikes into the edge restraints and EZ Base for maximum lateral support.



STEP 8: INSTALLING TECHNISEAL JOINTING SAND

The last step is the installation of Techniseal jointing sand between pavers to prevent joint erosion as well as weed and insect infestation. Follow jointing sand instruction carefully on the bag or by visiting techniseal.com.

PHYSICAL PROPERTIES

Material Type	Expanded Polypropylene (EPP)	
Material Thickness	0.67 in (17 mm)	
Material Density	3.43 lbs / cubic ft (55 grams / litre)	
Part Dimensions	Overall usable surface dimensions: 5.15 sq ft (0.48 m ²)	
Part Weight	1.0 lb (454 g) per panel	
Tensile Strength	101.5 psi	ISO 1798
Tensile Elongation	11%	ISO 1798
Vertical Permeability	>100 inches / hour	EN 12616
Thermal Expansion - per 1°C change	0.003 in / ft	ISO 4897
Compression Set-Static load (50% strain, 22 hrs. 23°C after 24 hrs)	38%	ISO 1856c
Thermal Resistance R Value (per inch thickness)	3.6 per in	
Microbiological / Chemical Resistance Chemical resistance	No detrimental effects	

THERMAL PROPERTIES

Thermal conductivity	0.264 BTU-in/hr-ft ² -°F	DIN 52612
Melting point	248-356°F	
Decomposition Temperature	>= 356°F	
Flash point	>= 392°F	ASTM D1929
Ignition temperature	>360°F	ASTM D1929
Dimensional stability at heat	<2%	Linear size alterations after 4 d, 110°C; DIN ISO 2796

COVERAGE

One EZ Base panel covers 5.15 sq. ft. (0.48 m²)

SHIPPING

Land and sea

NOT REGULATED

PACKAGING

EZ Base	Product Code	Color	Size	Units per pack	Packs per pallet	Units per pallet
	70971147 (245-930)	Black	20 3/8" X 36 3/8" X .67" (51,75cm X 91,4cm X 17mm)	10	12	120