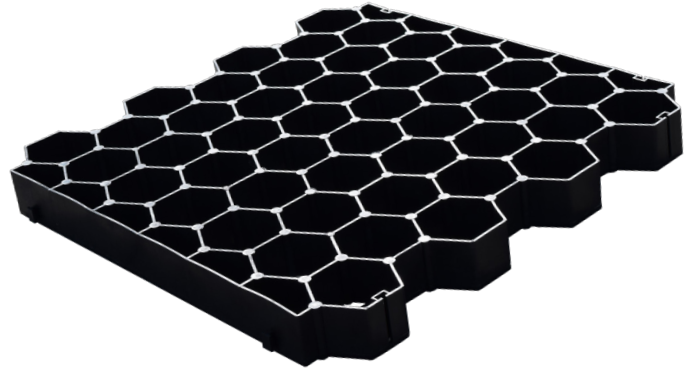




TECHNICAL DATA SHEET



HEXABASE™

INTERLOCKING BASE REINFORCEMENT

NOTICE

Make sure you have an up-to-date technical data sheet by referencing our website: SRWProducts.com

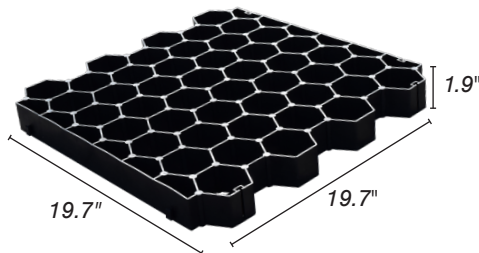
DESCRIPTION

SRW HexaBase™ is a high-density polyethylene interlocking base solution deliberately designed to save the installer time and money in multiple applications. HexaBase™ is 100% permeable and will not rot or degrade after installation. The rigid black panels, made of 100% virgin HDPE, snap together to form a stable foundation for your hardscape project, grass/gravel paver installations, or even emergency fire access lanes around commercial buildings. This versatility empowers you to use HexaBase™ in a wide range of projects. When installed correctly in your patio or walkway, the HexaBase™ system will eliminate the need for 6-8" of conventional compacted aggregate subbase.

PHYSICAL PROPERTIES

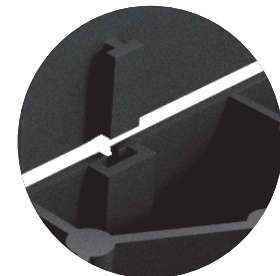
Material Type	100% Virgin High Density Polyethylene (HDPE)	
Product Appearance	Black Rigid Plastic Honeycomb	
Panel Thickness	1.9" (48mm)	
Panel Size	19.7" x 19.7" (500mm x 500mm)	
Usable Panel Area	2.69 sq ft (.25 sq m)	
Panel Bearing Capacity	355.58 psi (250 T/sq m)	
Material Density	ISO1183	59.61 lb/ft ³ (955 kg/m ³)
Material Tensile Modulus	ISO1133	113,435 psi (920 Mpa)
Material Tensile Strength @ 9.5%	ISO527-2	3480.9 psi (24.0 Mpa)
Material Flexural Modulus (2mm/min)	ISO178	142,137 psi (980 Mpa)
Material Melting Point	374 - 482°F (190 - 250°C)	

SINGLE PANEL



Each panel covers
2.7 Sq. Ft.

INTERLOCKING



Interlocking panels connect to make a custom-sized base and eliminate potential shifting.

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PO Box 70
Princeton, MN 55371

SRWProducts.com

Revised: 7-12-2024

HexaBase™ Technical Data Sheet

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BASE REPLACEMENT APPLICATIONS

- Standard Paver Installations
- Overflow Parking Area
- Grass/Gravel Driveways
- Fire Access Lanes
- Golf Course Cart Paths
- Barn Floor Erosion Control
- Hiking Trail Slope Stabilization
- Feedlot Erosion Control

PAVER APPLICATION FEATURES

- **Save 50% on Excavation Related Costs***: A traditional paver project employs a 6-8" Compacted Aggregate Subbase for support, typically requiring a total excavation depth of 9-11". HexaBase™ requires only 5" of excavation (when used with 2 3/8" standard pavers) and can be done without the additional expense of bringing in large equipment. Less excavation, Less money, Less damage to surrounding landscaping from the excavation process.
- **Save Time**: A proper structural base is crucial to any successful project, and a traditional 6-8" of Compacted Aggregate Subbase must be spread out and compacted in thin layers (usually 2" per lift) to ensure a proper foundation for your paver project. HexaBase™ installs quickly in one layer saving the installer both time and labor, and the cellular structure of HexaBase™ ensures the compacted aggregate stays in place for the lifespan of the project.
- **Save Over 75% on Aggregate Fill Material***: Requiring only .42 cubic feet of aggregate fill per HexaBase™ Panel, an 8" traditional base would require 1.79 cubic feet for the same footprint. Less time shoveling, less time on the road transporting aggregate, less hassle!
- 30x stronger than foam base panels
- No special accessories needed

*Approximate savings will vary depending on location/area and soil quality.

INSTALLATION INSTRUCTIONS FOR PAVER APPLICATIONS

1. MINIMUM EXCAVATION

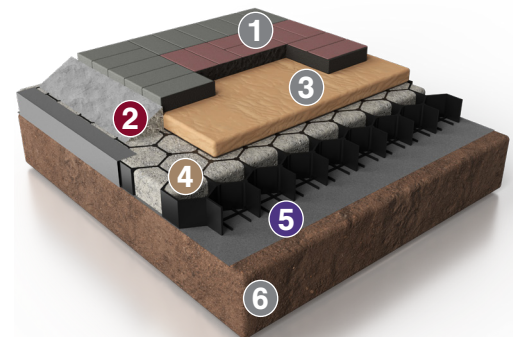
- A. Survey out the area where the patio or walkway will go. The overall size of excavation will be 6" larger on each side than the final paved project, except along structures or foundations.
- B. Total excavation depth will be determined by the overall height of the paver or chosen surface. To calculate the depth needed, simply add 2 5/8" to the thickness of the paving materials (pavers, natural stone, wetcast, etc.). This measurement takes into consideration the thickness of the HexaBase™ panels and the 1" layer of bedding sand (bedding sand will compact to approximately 5/8" - 3/4" after paver installation is complete)
- C. Excavate area to the total depth calculated above, ensuring the area remains flat and properly sloped for water drainage away from structures.

PRODUCT TIP: For a long-lasting installation, excavated area should be as flat as possible and free of any roots or large stones that could cause uneven settling over time.

2. PREPARE THE SOIL SUBGRADE (NATIVE SOIL)

- A. Compact Soil Subgrade with overlapping passes using a plate compactor. Be sure to compact perpendicular to the original direction as well. Frequently check the area to ensure the Soil Subgrade remains flat and properly sloped during compaction, raking soil into low areas as needed and re-compacting until satisfied.

PRODUCT TIP: It may be required at times to hydrate the area with a garden hose to allow for proper compaction.



- 1 Pavers
- 2 Crete-Rail
- 3 1" Bedding Sand
- 4 Hexabase with fill material
- 5 SB3 or NW4 Fabric
- 6 Soil Subgrade

- B. Roll out the desired SRW separation fabric (SB3 or NW4) on top of the excavated area, allowing edges to run up the sides 2", and overlap 12-18" at the seams. This layer is crucial to the long-term performance of the system and will keep the Soil Subgrade from migrating into and contaminating the Compacted Aggregate fill material in the HexaBase™ cells.
- C. Pull the fabric taught, removing folds or wrinkles, and secure using staples.

3. INSTALLATION

- A. Starting in a corner, lay HexaBase™ panels directly on top of the Separation Fabric, over the entire excavated area. Take care to fully lock each panel to the adjacent panels before continuing on.
- B. Trim any panels around the edges to correct size using a handsaw, circular saw or similar tool.
- C. Using a permeable, compactable base material (¾" minus, crushed Limestone, Quarry Process Stone, or other equivalent base aggregate), fill the cells of the HexaBase™ slightly over the top of the cell walls (⅙–¼") uniformly across the area.
- D. Use plate compactor in several directions to compact base material into cells. Refill cells where necessary with base material and repeat compaction until cells are completely full.
- E. Place 1" screed pipes or rails directly on the panels and spread bedding sand over them. Bedding sand under concrete pavers should conform to ASTM C33 OR CSA A23.1.
- F. Carefully screed bedding sand using a straight board to a uniform 1" thickness across entire area.

PRODUCT TIP: Any irregularities or unevenness in the bedding sand will be reflected in the surface of the pavers. It is not recommended to use the bedding sand as a leveling layer, as uneven areas of the bedding sand may settle over time and cause depressions in the paver surface.

- G. Install paved surface according to manufacturer recommendations.

4. EDGING

- A. HexaBase™ is specifically designed for use traditional edging products and spikes.
- B. Be sure to use 10" smooth or spiral spikes to secure edging around the paved surface.
- C. When installing edging, ensure spikes are being driven into aggregate filled cells at least 6" from the edge of the HexaBase™ panels.

INSTALLATION INSTRUCTIONS FOR GRASS/GRAVEL GRID APPLICATIONS

- 1. Prepare area by removing vegetation and leveling Soil Subgrade. Be sure to flatten out any high or low spots as needed and remove roots and large stones from the area.
- 2. Starting in the corner of the project area, lay down HexaBase™ pieces, interlocking each one together firmly to the adjacent pieces. Be sure to lay each piece in the same orientation to ensure interlocking connectors mate properly.
- 3. Repeat panel installation until entire area is covered and all panels are interlocked together.
- 4. **GRAVEL FILL:** Fill panels to the top of the cells with desired aggregate. Lightly compact over the grid with a plate compactor to settle aggregate into the cells.



- 1 Grass/Gravel
- 2 Hexabase with soil/gravel
- 3 SB3 or NW4 Fabric
- 4 Soil Subgrade

5. GRASS FILL: Fill panels to the top of the cells with soil and seed. Do NOT compact the soil into the grid as rain will naturally compact soil in the cells to the appropriate level.

- HexaBase™ Grass Paver installations can be used with conventional seeding, hydroseeding, and sod applications

GRASS/GRAVEL GRID APPLICATION BENEFITS

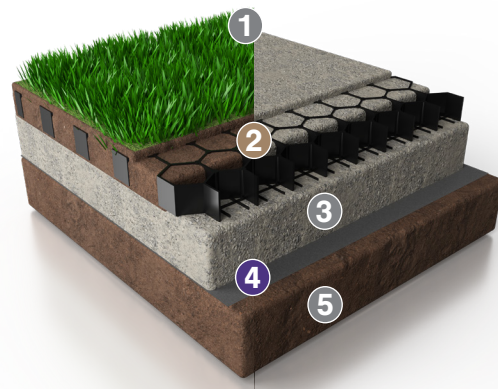
- Provides the structural integrity of a traditional aggregate base while keeping the look of plush lawn.
- Grass pavers create an environmentally friendly surface that allows water migration through the system as opposed to run-off.
- Quick and Easy solution to overflow or seasonal parking situations.
- Great for trails and pathways used by golf carts and utility vehicles to eliminate rutting and mud after rain events.

INSTALLATION INSTRUCTIONS FOR GRASS/GRAVEL DRIVEWAY APPLICATIONS

1. MINIMUM EXCAVATION

- A. Survey out the area. The overall size of excavation will be 6" larger on each side than the final project, except along structures or foundations.
- B. Total excavation depth will be determined by the overall height of the chosen surface. To calculate the depth needed, simply add 5.9" to the thickness of the desired paving material (grass or gravel). This measurement takes into consideration the thickness of the HexaBase™ panels (1.9") and the compacted base material (4").
- C. Excavate area to the total depth calculated above, ensuring the area remains flat and properly sloped for water drainage away from structures.

PRODUCT TIP: For a long-lasting installation, excavated area should be as flat as possible and free of any roots or large stones that could cause uneven settling over time.



- 1 Grass/Gravel
- 2 Hexabase with soil/gravel
- 3 Compacted Aggregate Subbase
- 4 SB3 or NW4 Fabric
- 5 Soil Subgrade

2. PREPARE THE SOIL SUBGRADE (NATIVE SOIL)

- A. Compact Soil Subgrade with overlapping passes using a plate compactor. Be sure to compact perpendicular to the original direction as well. Frequently check the area to ensure the Soil Subgrade remains flat and properly sloped during compaction, raking soil into low areas as needed and re-compacting until satisfied.

PRODUCT TIP: It may be required at times to hydrate the area with a garden hose to allow for proper compaction.

- B. Roll out the stabilizing separation fabric, SS5 Woven by SRW Products, on top of the excavated area, allowing edges to run all the way up the sides of the excavated areas. Overlap 18-24" at the seams. This layer is crucial to the long-term performance and durability of the system and will keep the Soil Subgrade from migrating into and contaminating the Compacted Aggregate fill material in the HexaBase™ cells.
- C. Pull the fabric taught, removing folds or wrinkles, and secure using staples.
- D. Install the 4" of standard base, level and compact.

3. INSTALLATION

- A. Starting in the corner of the project area, lay down HexaBase™ pieces, interlocking each one together firmly to the adjacent pieces. Be sure to lay each piece in the same orientation to ensure interlocking connectors mate properly.
- B. Repeat panel installation until entire area is covered and all panels are interlocked together.
- C. To create curves, cut HexaBase™ panels using a skill saw with a turbo rimmed diamond blade. This blade will not grab or tear the panels from your hands.

4. FILL

- A. GRAVEL FILL:** Fill panels to the top of the cells with desired gravel. Lightly compact over the grid with a plate compactor to settle aggregate into the cells.
- B. GRASS FILL:** Fill panels with a layer of sand and then a layer of soil and seed. Do NOT compact the soil into the grid as rain will naturally compact soil in the cells to the appropriate level.
 - HexaBase™ Grass Paver installations can be used with conventional seeding, hydroseeding, and sod applications

TRANSPORT

For more information on the proper handling and transportation of this product, please refer to the latest version of the Safety Data Sheet (SDS). Visit SRWProducts.com for an up-to-date version of this product's Safety Data Sheet (SDS).

PACKAGING

HEXABASE™ Interlocking Base Replacement			
PART#	AMT PER CTN	TOTAL SQ FT	QUANTITY
GSRW HB CTN	6/CTN	16.15	16 CTNS/PLT
GSRW HB BULK	1	452.20	168 PCS/PLT

IMPORTANT NOTICE: Since the use of this product is beyond the control of the manufacturer, no guarantee or warranty, expressed or implied is made for the merchantability, fitness or suitability for the use of this product or otherwise extending beyond the description hereof except the obligation to replace that product for portion of shipment proved defective. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing laws and/or patents covering any material or use. Liability is limited to product replacement only. For professional use only. Test in a small, discrete area before use.