2018 Product Catalog

Residential Stormwater Management
Commercial Stormwater Management
Professional Irrigation
Flow Management

ndspro.com

Your knowledgeable and trusted partner for the best in water management solutions
PERMEABLE PAVERS
Part of the Sustainable Stormwater System, NDS Permeable Pavers provide an alternative solution to traditional paving methods. Creating a strong grass or gravel surface that can support heavy vehicles, they maintain permeable surface areas, eliminating or reducing stormwater runoff.

Benefits

**Greatest Compressive Strength***. Offering a high load-bearing capacity, NDS Permeable Pavers feature hexagonal cells that connect together to form a flexible grid system capable of handling significant structural loads.

**Easy Installation.** EZ Roll™ products come in large rolls that are easily placed and clipped together. Tufftrack™ features an integrated easy to assemble clip, that greatly reduces installation time.

**Reduced Maintenance.** Less expensive to maintain over time than traditional hardscaping and reduces demands put on landscape drainage systems.

**Environmentally Friendly.** NDS Permeable Pavers contribute to LEED credits and are made of up to 100% recycled plastic.

*Compare the strength of NDS Permeable Pavers to the competition.*
TUFFTRACK™ GRASS PAVER

Tufftrack™ Grass Pavers are the strongest paver on the market that works for both grass and gravel applications. Manufactured in rigid 24” square panels it offers maximum strength and stabilization for support of heavy vehicles like fire trucks.

Tufftrack™ Grass Pavers are 24” x 24” rigid panels featuring a clip fastener designed for fast installation that easily connects without extra pieces or tools. The Tufftrack Grass Paver has a combined series of 120 nested hexagonal cells per paver cell with 12 connecting clips. This unique combination provides superior stability and durability.

Ideal Applications

- Fire lanes
- Emergency vehicle access roads
- Truck maintenance and equipment yards
- Construction entrance soil stabilization
- Truck & cart wash-down areas
- RV & boat access and parking
- Residential driveways
- Parking lots
- Overflow parking lots

Specifications

Tufftrack™ is available in:
24” x 24” panels, 1.5” thick

Empty cells have a compressive strength of 86,563 psf

Product ships in 24 in. squares for easy layout

Unique tongue & groove clips are easier to install

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Color</th>
<th>Pkg. Qty/Pallet Qty</th>
<th>Wt. Ea. Lbs.</th>
<th>Product Class</th>
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<tbody>
<tr>
<td>TT-24</td>
<td>24&quot; x 24&quot; Tufftrack® Grass Pavers</td>
<td>Black</td>
<td>1/132</td>
<td>4.00</td>
<td>55GP</td>
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EZ ROLL™ & HONOR ROLL™ GRASS PAVERS

EZ Roll™ Grass Pavers feature hexagonal cells that protect the root zone and prevent soil compaction, allowing healthy grass to thrive in areas that would traditionally have impervious hardscaping installed.

EZ Roll™ Grass Pavers are honeycombed rolled grass pavers that are comprised of 24” x 24” x 1” panels. The product is made of up to 100% recycled HDPE material with UV inhibitors. Panels are available in pre-assembled rolls, and multiple panels and rolls easily connect together with a series of locking joints. EZ Roll Grass Pavers have an ultimate compression load rating of 57,888 psf “empty.”

Ideal Applications

- Golf cart paths
- Residential driveways
- Parking lots
- Roadway shoulders
- Emergency vehicle or service access roads – Also an effective solution for erosion control on slopes and in swales

Specifications

**EZ Roll™ Grass Paver**
- 3.96 ft. x 24 ft. rolls – 97 square feet total
- 3.96 ft. x 152 ft. rolls – 601.6 square feet total
- (150 ft. +/- 2 ft. on the length and 3.96 ft. +/- 1/2 in. for width using 76 panel pairs total)

**Honor Roll™ Pavers** are ideal for long, linear applications next to curbs, medians.

**Empty cells have a compressive strength of 57,888 psf**

Product ships in large rolls for easy rollout

Easy to connect locking tabs on sides and ends

Part No. | Description                                      | Color | Pallet Qty. | Wt. Ea. Lbs. | Product Class
---|---------------------------------------------------|-------|-------------|--------------|----------------
EZ4X24  | EZ Roll™ Grass Pavers, 3.96 ft. x 24 ft. roll, 97 sf total | Black | 6           | 55.44        | 55GP
EZ4X150 | EZ Roll™ Grass Pavers, 3.96 ft. x 152 ft. roll, 601.6 sf total | Black | 1           | 360.00       | 55GP
EZ13X150| Honor Roll™ Pavers, 13 in. wide roll               | Black | 1           | 172.49       | 55GP
EZ1.5X150| Honor Roll™ Pavers, 18 in. wide roll               | Black | 1           | 172.49       | 55GP

for videos, specs, detail drawings and case studies, visit [ndspro.com](http://ndspro.com)
EZ ROLL™ GRAVEL PAVERS

NDS EZ Roll™ Gravel Pavers are a high quality injection molded, plastic rolled gravel paver structure of linked and nested honeycomb cells. The product is made from up to 100% recycled HPDE plastic with UV inhibitors. Pavers come in pre-assembled rolls, and a lateral snap lock latching system securely connects paver panels together to create an integral paver mat. Pavers must have an ultimate compression load rating of 66,000 psf (empty).

Ideal Applications

- Golf cart paths
- Service roads
- Jogging tracks
- Bike paths
- RV & boat access & parking
- Residential driveways
- Parking lots
- Roadway shoulders
- Firelanes
- Emergency vehicle access roads
- Truck maintenance and equipment yards
- Construction entrance soil stabilization – also an effective solution for erosion control on slopes & in swales

Specifications

A continuous piece of geotextile fabric prevents migration of base and infill materials yet is porous to allow for the filtration of stormwater runoff.

Available in four colors for design flexibility. Crushed or decomposed granite, limestone and pea gravel are just some of the fill material options that work well with EZ Roll™ Gravel.

Empty cells have a compressive strength of 57,888 psf

Product ships in large rolls for easy rollout

Easy to connect locking tabs on sides and ends

<table>
<thead>
<tr>
<th>Part No.</th>
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<th>Pkg. Qty.</th>
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<th>Product Class</th>
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<tbody>
<tr>
<td>GP4X150</td>
<td>EZ Roll™ Gravel Pavers, 3.87 ft. x 149 ft. roll, 577 sq ft total</td>
<td>Black</td>
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<td>360.00</td>
<td>55GP</td>
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<tr>
<td>GP4X150G</td>
<td>EZ Roll™ Gravel Pavers, 3.87 ft. x 149 ft. roll, 577 sq ft total</td>
<td>Gray</td>
<td>1</td>
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<td>55GP</td>
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<tr>
<td>GP4X150R</td>
<td>EZ Roll™ Gravel Pavers, 3.87 ft. x 149 ft. roll, 577 sq ft total</td>
<td>Brick Red</td>
<td>1</td>
<td>360.00</td>
<td>55GP</td>
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<tr>
<td>GP4X150T</td>
<td>EZ Roll™ Gravel Pavers, 3.87 ft. x 149 ft. roll, 577 sq ft total</td>
<td>Tan</td>
<td>1</td>
<td>360.00</td>
<td>55GP</td>
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<tr>
<td>GPSTAKE</td>
<td>EZ Roll™ Gravel Paver Stake</td>
<td>Raw Steel</td>
<td>40</td>
<td>23.40</td>
<td>55GP</td>
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EZ MARKER™ PARKING DELINEATORS

Used with EZ Roll™ Grass and Gravel Pavers, NDS EZ Marker™ is a modular solution to outlining driving lanes, parking stalls, and fire lanes. After the pavers have been unrolled, pinned, and secured, EZ Marker™ snaps into the appropriate empty cells to outline whatever pattern necessary to properly direct vehicular traffic.

EZ Marker™ Parking Delineators increase safety and organization by strategically directing parking lot traffic. Delineators are a great way to guide motorists around hazards and to their final parking destination. Used in conjunction with EZ Roll™ Grass and Gravel Permeable Pavers they provide a simple and effective solution for managing parking lot traffic. EZ Marker™ is durable, tamper-resistant and built to last. Available in various colors to suit any traffic need including grass or gravel parking and fire line access.

Specifications

- 2.7” hexagonal shape
- 0.40” profile above paver grade
- Molded polypropylene, impact copolymer
- 300 PSI class “C” compressive strength
- Easy clip-in installation
- Self-cleaning: Raised dome design prevents debris from sticking

<table>
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<tr>
<td>EZMARKER</td>
<td>EZ Roll™ Parking Delineator</td>
<td>White</td>
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<tr>
<td>EZMARKER-B</td>
<td>EZ Roll™ Parking Delineator</td>
<td>Blue</td>
</tr>
<tr>
<td>EZMARKER-R</td>
<td>EZ Roll™ Parking Delineator</td>
<td>Red</td>
</tr>
<tr>
<td>EZMARKER-Y</td>
<td>EZ Roll™ Parking Delineator</td>
<td>Yellow</td>
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</tbody>
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For Permeable Paver Technical Information, Refer to Technical Specification documents at ndspro.com/specifications
ROOT BARRIER PANELS

Modular EP Series Root Barrier Panels

EP Series Root Barrier Panels are made from injection molded High Impact Polypropylene (HIPP) with a unique factory installed joiner strip that eases installation. EP Series Panels include a “T” top edge to prevent root overgrowth and an Anchor Lock™ external flange at the base to lock panels in the ground. Suitable for all planting installations, EP Series Root Barrier Panels are available in 12”, 18”, 24” and 36” depths.

Specifications

EP Series Root Barrier Panels by NDS include factory installed independent joiner strips. Each Barrier is a minimum of 0.090 inches thick and is made of up to 50% post consumer High Impact Polypropylene (HIPP) with U.V. inhibitors to ensure longevity. Barrier Panels have 1/2" raised vertical ribs running perpendicular to the panel and are 6” on center. All EP Series Panels feature a 3/8” wide “T” top edge and an external ground anchoring base flange that is 1/8” in width.

Recommended Installations

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EP-1250</td>
<td>12” x 24” Root Barrier Panel</td>
<td>Black</td>
<td>25</td>
<td>1.80</td>
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<tr>
<td>EP-1850</td>
<td>18” x 24” Root Barrier Panel</td>
<td>Black</td>
<td>25</td>
<td>1.56</td>
<td>50LP</td>
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<tr>
<td>EP-2450</td>
<td>24” x 24” Root Barrier Panel</td>
<td>Black</td>
<td>25</td>
<td>2.12</td>
<td>50LP</td>
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<tr>
<td>EP-3650</td>
<td>36” x 24” Root Barrier Panel</td>
<td>Black</td>
<td>25</td>
<td>3.20</td>
<td>50LP</td>
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</table>

Includes 1 Joiner Strip per panel

Surround Application:
Panels placed around root ball, at a sufficient distance to allow proper backfill of materials.

Linear/Root Pruning Application:
Panels placed directly adjacent to the hardscape being protected.

for videos, specs, detail drawings and case studies, visit ndspro.com
ROOT BARRIER PANELS

Root Barrier Sheet Material

Manufactured from durable HDPE, Root Barrier Sheet Material creates a water and root barrier to prevent costly damage to pavements, roads, and building foundations caused by water and roots. The 20-foot-long sheets of material are ideal for linear style planting applications, and are equally suited for individual tree planting use. Root Barrier Sheet Material is available in 12”, 18”, and 24” depths to meet a variety of applications.

Specifications

Root Barrier Sheet Material by NDS is manufactured from up to 50% recycled HDPE with U.V. inhibitors with a thickness of 0.040 - 0.060”.

Barriers feature vertically integrated and flared molded 90° root-deflecting ribs that protrude 1/2” from wall and are placed 6-8” apart. A root impervious molded end provides easy assembly using staples or a sealant design to bind to HDPE (a dual-sided solvent-based tape).

<table>
<thead>
<tr>
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<td>SM-1220</td>
<td>12” x 20 ft. Roll</td>
<td>Black</td>
<td>1</td>
<td>10.00</td>
<td>50LP</td>
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<tr>
<td>SM-1820</td>
<td>18” x 20 ft. Roll</td>
<td>Black</td>
<td>1</td>
<td>14.00</td>
<td>50LP</td>
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<tr>
<td>SM-2420</td>
<td>24” x 20 ft. Roll</td>
<td>Black</td>
<td>1</td>
<td>18.00</td>
<td>50LP</td>
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<tr>
<td>SM-3620</td>
<td>36” x 20 ft. Roll</td>
<td>Black</td>
<td>1</td>
<td>22.00</td>
<td>50LP</td>
</tr>
</tbody>
</table>

Recommended Installations

Surround Application:
Cut desired length of molded roll material. Connect the ends by overlapping two 6” sections with the leading rib cut directly down the middle. If using a sealant to seal the ends, utilize a dual-sided solvent-based tape (like that sold by Tuff Industries, Inc.). Install by placing the Sheet Material around root ball at a sufficient distance to allow proper backfill – the vertical integrated root-deflecting ribs should always be facing the root ball.

Linear/Root Pruning Application:
Cut desired length of molded roll material and install directly adjacent to hardscape being protected.
ROOT BARRIER PLANTERS

Pre-molded, one piece, tapered root control planter made of Structural Foam High Impact Polyethylene (SFHIPP) for superior strength. The ribbed interior wall design guides tree roots down and out of the flanged base. Advantages include the elimination of measuring, cutting, gluing or assembly of panels. Installation is further simplified in that units fit into a 30” augered hole.

Specifications

Root Barrier Planter by NDS has a top diameter of 22”, a bottom diameter of 30”, a height of 18” and a wall thickness of 0.250”. Planter is one piece and molded of up to 505 post consumer Structural Foam High Impact Polyethylene (SFHIPP) material with U.V. inhibitors. Root Barrier Planter has a 3/4” inward facing top edge, a 1” external facing ground anchoring base flange with 1/2” high raised vertical ribs ± 6” intervals on the interior wall.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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<tr>
<td>FR-15</td>
<td>Tapered Root Barrier Planter</td>
<td>Black</td>
<td>1</td>
<td>13.00</td>
<td>50LP</td>
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</tbody>
</table>

Recommended Installations

Patio Trees: Root Barrier Planter is ideal for a 15 gallon tree or a 16” root ball whose trunk caliper will not exceed 14” in diameter at maturity.

Street Tree Use: Root Barrier Planter is the preferred product for use in city sidewalk cutouts or where trees are completely surrounded by hardscape.

TRUNK PROTECTOR

Used around the base of trees to prevent damage from lawnmowers, edgers, and string trimmers. The coiled shape allows it to expand with the growth of the tree. It is vented, which permits the tree to breathe and it is notched at the base to accommodate root flare. NDS Trunk Protector is colored to help it blend with the natural shade of the tree. Each unit fits up to a 4” caliper tree; multiple units may be used for larger trees.

Specifications

Trunk Protector by NDS is made of Low Density linear Polyethylene (LDLPE) material with U.V. inhibitors to insure longevity. Trunk Protector measures 8” high, 12” wide and ± 0.050” thick. Slotted vents are 1” high by 1/4” wide, creating a serrated lower edge on the bottom row.

<table>
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<tr>
<th>Part No.</th>
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<th>Pkg. Qty.</th>
<th>Wt. Ea. Lbs.</th>
<th>Product Class</th>
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<tr>
<td>TP-128</td>
<td>Trunk Protector</td>
<td>Gray</td>
<td>50</td>
<td>0.16</td>
<td>50LP</td>
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</tbody>
</table>

Recommended Installations

Any tree planted in lawn or brush areas where mowing or trimming equipment may cause contact with tree trunks.
Our products are engineered and produced for performance, durability, ease of installation and the efficient use of resources.

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Fax: 800.726.1998 · 559.562.4488
Se Habla Español

New Mobile App – NDS Stormwater Drainage Tools