

EN:PLAST
TECHNOLOGIES

AMERICAN
TURF PROFESSIONALS



PRODUCT MADE WITH
RECYCLED RUBBER.

Rock-in-Roll

Revolutionize landscape drainage with En-Plast's Rock-in-Roll engineered from encapsulated SBR granules, Rock-in-Roll delivers exceptional impact absorption, seamless drainage, and reliable liner performance. This all-in-one solution cuts down on installation time, materials, and costs—efficient, effortless, and built to perform.



DRAIN | PAD | LINER | SHOCK ABSORPTION

EN-PLAST ROCK-IN-ROLL FOR LANDSCAPE DRAINAGE APPLICATIONS.

CASE HISTORY: PRIME LAWN, LLC CHOOSES ROCK-IN-ROLL FOR DRAINAGE NEEDS

Matt Griffin, owner of Prime Lawn, needed a more efficient and economical drainage solution for his residential customers in the growing artificial turf landscaping industry. Tight construction boundaries made it impractical to use heavy trucks to dump and spread a 6-inch stone drainage layer. The site access challenge made spreading the aggregate drainage layer time-consuming and labor-intensive, as it had to be hauled in by hand Prime Lawn chose the Rock-in-Roll drainage pad from Enplast Technology to save time and money.

By spreading only 1"-2" inches of aggregate for subgrade planarity, Turf Builders rolled out and Rock-in-Roll drainage pad much faster than spreading and compacting the aggregate layer. The drainage requirement was met by the unique drainage channels of the Rock-in-Roll, which also provided shock-absorbing characteristics.

In summary, the Enplast Rock-in-Roll material provided Prime Lawn with three key benefits.

1

Drainage

Equivalent to 8 inches of drainage stone.

2

Impact attenuation

Shock-absorbing characteristics.

3

Liner

Maintains consistent subgrade conditions.



GREEN ROOFS

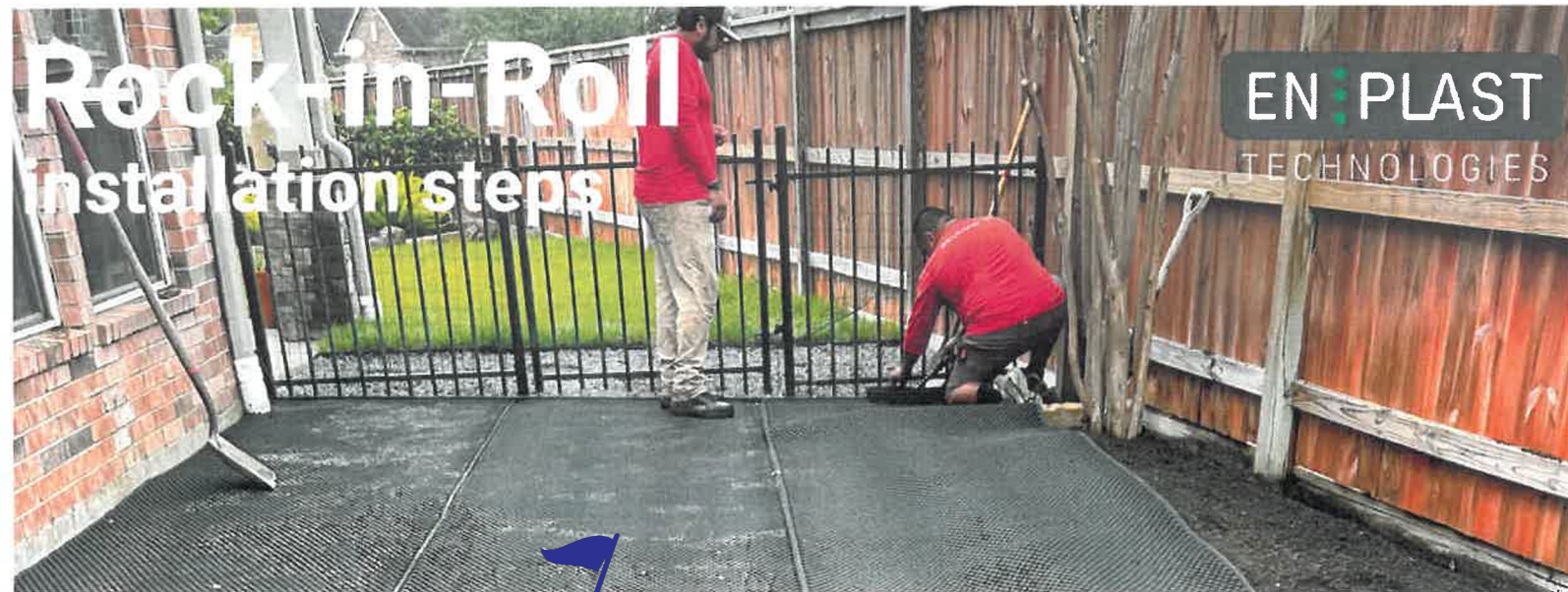


COMMERCIAL OR RESIDENTIAL



PLAYGROUNDS & PUTTING GREENS





AMERICAN TURF PROFESSIONALS

① Site Preparation

Design Your Area: Plan out where you want to install your turf.

② Excavation

Remove Existing Materials: Clear away any grass, weeds, and debris.

Excavate: Dig to a depth of 3-4 inches to accommodate the crushed stone, matting, and turf.

③ Create a Base

Install Geotextile Fabric: Lay this over the sub-grade.

Add Crushed Stone or Gravel: Spread a 1-2 inch layer to ensure proper drainage and long-term stability.

④ Compact the Base

Compact the Gravel: Use a tamper and plate compactor to create a solid, stable foundation.

⑤ Add Edging

Secure Turf Edges: Install edging around the turf area to keep it in place.

⑥ Lay the Matting

Position the Rock-in-Roll Matting: Roll it out over the compacted gravel base, ensuring it is flat without folds or creases.

Overlap Sections: If necessary, overlap the edges of the matting to lock each section together. Use a box cutter to fit around obstacles and edge restraints.

⑦ Install Turf

Lay the Turf: Position the turf over the matting.

⑧ Install Infill

Spread Infill: Use a spreader to evenly distribute infill over the turf surface.

Brush Infill: Use a turf rake and power broom to sweep the infill into the turf, ensuring all edges are even.

⑨ Final Touches

Clean the Surface: Remove any excess infill or turf cutting debris with a blower.

Tips

Check Instructions: Always refer to the En-Plast Rock-N-Roll matting instructions for any unique requirements.

Adapt to Local Conditions: This guide provides a general overview, but your specific requirements may vary based on local conditions and materials used.

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IMPACT ATTENUATION & DRAINAGE TECHNOLOGY: THE EN-PLAST ADVANTAGE

If it doesn't drain, don't build it. This principle is essential for engineers and architects alike. En-Plast's Rock-in-Roll offers a cost-effective alternative to traditional natural aggregates, solving drainage challenges with efficiency and versatility.

With rising stone costs and the increasing shift toward artificial turf, Rock-in-Roll is the smarter choice. Typical installations require 4–6 inches of clean drainage stone beneath turf, paired with a separation geotextile. Rock-in-Roll simplifies this by reducing the drainage layer to just 2 inches—or even eliminating it in some cases—without compromising performance.

Beyond drainage, Rock-in-Roll enhances artificial turf systems with impact attenuation, a feature traditional aggregate simply can't provide. The chart below highlights the installed cost savings achieved by replacing aggregate with Rock-in-Roll, demonstrating its value in both cost and performance. Explore the example analysis to see how Rock-in-Roll transforms drainage solutions.

AGGREGATE COST (\$/SY)

In-Place Cost of Aggregate Base (\$/ton)

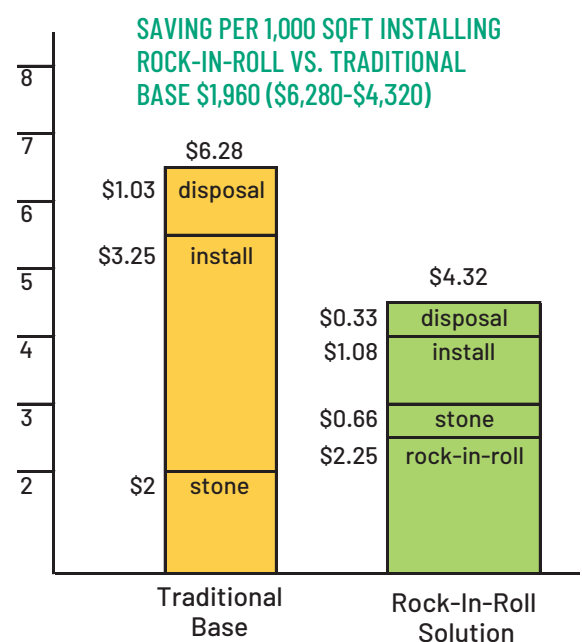
	Inches	15	20	25	30	35	40	45	50	55	60	65	70	75
Compacted Aggregate Base Thickness (Inches)	1	0.75	1.00	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75
	2	1.5	2.00	2.5	3	3.5	4	4.5	5	5	6	6.5	7	7.5
	3	2.25	3.00	3.75	4.5	5.25	6	6.75	7.5	8.25	9	9.75	10.5	11.25
	4	3	4.00	5	6	7	8	9	10	11	12	13	14	15
	5	3.75	5.00	6.25	7.5	8.75	10	11.25	12.5	12.75	13	13.25	13.5	13.75
	6	4.5	6.00	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5
	7	5.25	7.00	8.75	10.5	12.25	14	15.75	17.5	19.25	21	22.75	24.5	26.25
	8	6	8.00	10	12	14	16	18	20	22	24	26	28	30

✓ The total cost of installing Synthetic Turf on a traditional 6" drainage/levelling base compute to \$6.28 sqft as follows:

- i. Stone costs @ \$60 per ton equates to \$2 sqft (6")
- ii. Install labor \$3.25 sqft
- iii. Disposal and haul-off 6" of soil \$1.03 sift

✓ The total cost of installing Synthetic Turf on Rock-in-Roll will require only 2" drainage/levelling base compute to \$4.32 as follows:

- i. Rock-in-roll @\$2.25 sqft
- ii. Stone costs @\$60 per ton equates to @ \$0.66 sqft (2")
- iii. Install labor \$1.08 sqft
- iv. Disposal and haul-off 2" of soil \$0.33 sift



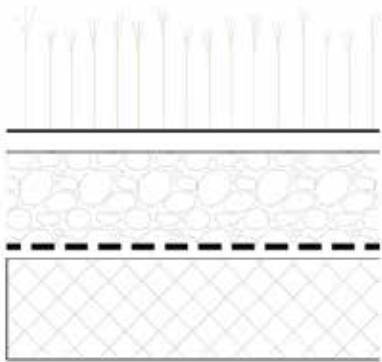
EN-PLAST HAS THE ECONOMICAL SOLUTION

ROLL SIZES 4 X 150 AND 4 X 200

Custom sizes available

TRADITIONAL

LANDSCAPE APPLICATION



VEGETATION & INFILL

4"-6" DRAINAGE STONE

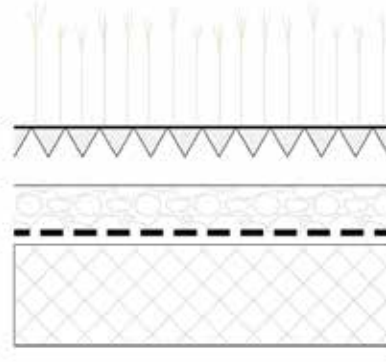
GEOTEXTILE / LINER

PREPARED SUBGRADE

LANDSCAPE APPLICATION

EN-PLAST

LANDSCAPE APPLICATION



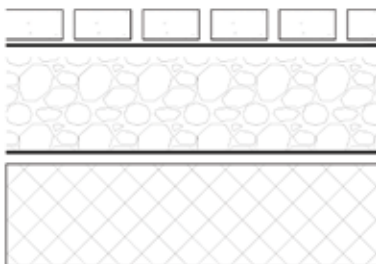
VEGETATION & INFILL

Rock-in-Roll

1"-2" CRUSHED STONE

PREPARED SUBGRADE

CONCRETE PAVER APPLICATION



CONCRETE PAVER

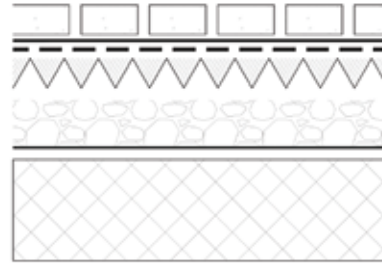
GRAVEL

GEOTEXTILE

PREPARED SUBGRADE

CONCRETE PAVER APPLICATION

CONCRETE PAVER APPLICATION



CONCRETE PAVER

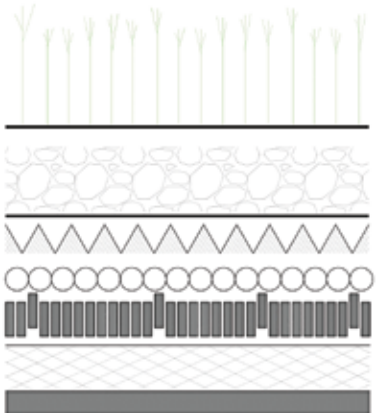
GEOTEXTILE

Rock-in-Roll

1"-2" CRUSHED STONE

PREPARED SUBGRADE

GREEN ROOFS



PLANT LEVEL

SUBSTRATE

FILTER SHEET

DRAINAGE LAYER

PROTECTION MATT

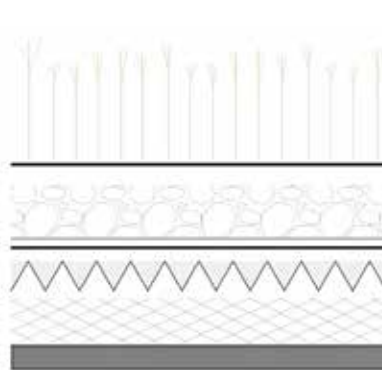
ROOT BARRIER

WATERPROOFING

ROOF CONSTRUCTION

GREEN ROOFS

GREEN ROOFS



PLANT LEVEL

SUBSTRATE

FILTER SHEET

Rock-in-Roll

WATERPROOFING

ROOF CONSTRUCTION



En-Plast **Rock-in-Roll**
converts end-of-life tires
to an engineered product.

EN:PLAST
TECHNOLOGIES

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