EN:PLAST
TECHNOLOGIES

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

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)

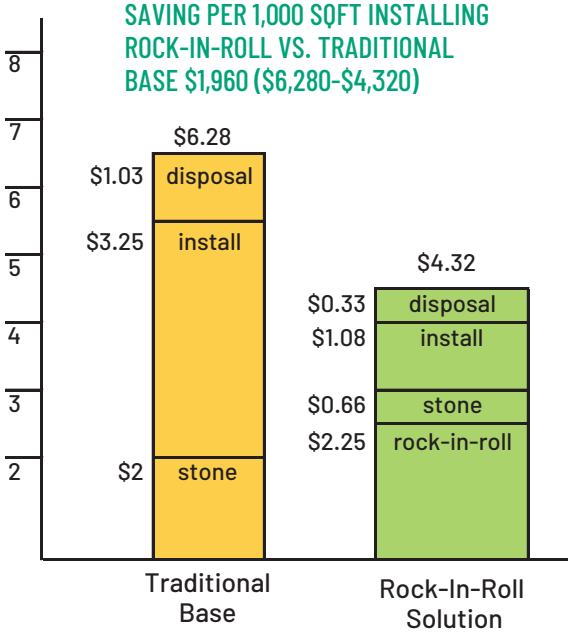
Compacted Aggregate Base Thickness (Inches)	Inches	15	20	25	30	35	40	45	50	55	60	65	70	75
	1	0.75	1.00	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75
	2	1.5	2.00	2.5	3	3.5	4	4.5	5	5	6	6.5	7	7.5
	3	2.25	3.00	3.75	4.5	5.25	6	6.75	7.5	8.25	9	9.75	10.5	11.25
	4	3	4.00	5	6	7	8	9	10	11	12	13	14	15
	5	3.75	5.00	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:

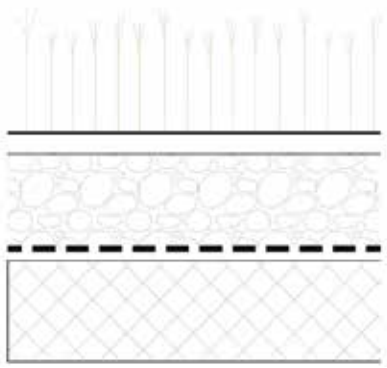
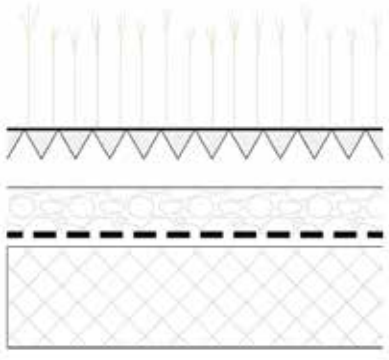
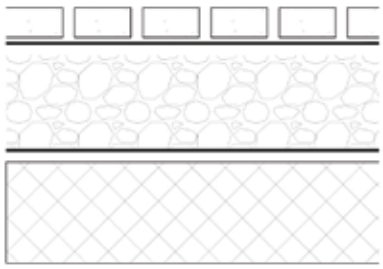
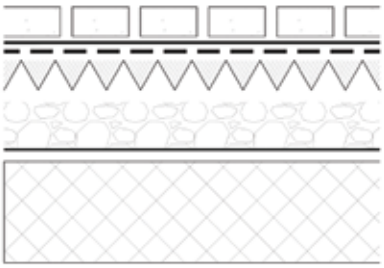
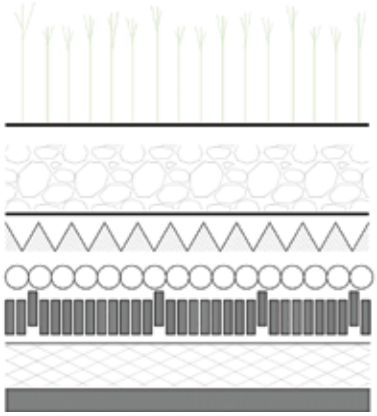
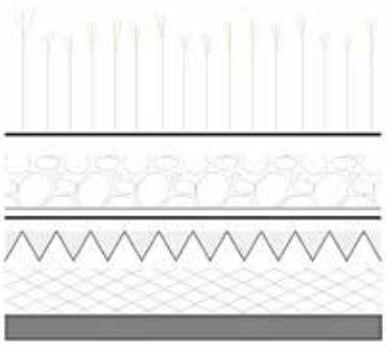
  i. Rock-in-roll @$2.25 sqft
  ii. Stone costs @$60 per ton equates to @ $0.66 sqft (2")
  iii. Install labor $1.08 sqft
  iv. Disposal and haul-off 2" of soil $0.33 sift



EN-PLAST HAS THE ECONOMICAL SOLUTION

ROLL SIZES 4 X 150 AND 4 X 200

Custom sizes available

TRADITIONAL		EN-PLAST
LANDSCAPE APPLICATION  TURE & INFILL 4"-6" DRAINAGE STONE GEOTEXTILE / LINER PREPARED SUBGRADE	**LANDSCAPE APPLICATION**	LANDSCAPE APPLICATION  TURE & 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 ROOD 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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