



# Vegetated Roof, Amenity & Stormwater Solutions

A comprehensive portfolio offering custom,  
single-source overburden solutions



# The Proven Leader in Vegetated Solutions.

For more than 50 years, Siplast has developed high-performance commercial roofing and waterproofing materials designed to protect large-scale, unique, and iconic structures.

In the 1970s, Siplast emerged as a pioneering leader in vegetated roofing solutions with the development of Teranap, our original vegetated roofing membrane. Over the decades since, we've added full, layered vegetated roof assemblies, pedestal paver partners, and integrated stormwater management solutions, all manufactured to meet a wide range of project needs.

Known for our industry-leading commitment to innovation, quality, and customer service we partner with our customers every step of the way – from design guidance to installation and beyond.

- |    |                                    |
|----|------------------------------------|
| 1  | AIR, WATER & THERMAL SOLUTIONS     |
| 2  | SINGLE-PLY ROOF SOLUTIONS          |
| 3  | SBS-MODIFIED BITUMEN ROOFING       |
| 4  | REUSABLE INSULATION SOLUTIONS      |
| 5  | PARKING DECK SOLUTIONS             |
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# Expectations are Rising. Get a Partner That's on Top of It.

For vegetated roofing and amenity spaces, the floor has been raised. The evolving roles of these spaces are continuously elevating performance expectations, and you can't afford to leave your project to just any building solutions provider. That's why you should leave it to us.

We empower you to transform your vision for on-structure landscape and amenity spaces into thriving realities while providing the tools and expertise. We're your trusted advisors and your one-stop shop for all of your vegetated roofing and amenity space needs, ensuring both the membrane and the vegetated roof are coordinated.

## YOUR COMPLEX PROJECTS DEMAND CUSTOM SOLUTIONS.

Whether your project demands a straightforward extensive vegetated roof assembly or you need assistance developing a custom solution for an Intensive Landscape on podium, you can rely on Siplast to help you meet your design goals without ever compromising on performance.

From waterproofing membranes to tailored overburden solutions, we provide the customized, single-source vegetated roof, amenity, and stormwater management solutions that ensure full-system compatibility while providing comprehensive guarantees.



Designed with your project  
in mind, from the beginning.  
**Meet your trusted Siplast  
advisor to get started.**







# ParaGREEN Vegetated Roof Solutions

**Don't ever compromise your vision. Developed for maximum flexibility to meet your project's design and technical requirements, ParaGREEN™ Vegetated Roof Solutions are coordinated with Siplast membranes to ensure compatibility providing integrated, single-source assemblies.**

Each of our ParaGREEN Vegetated Roof System solutions can include root barriers, drainage and retention components, regionalized growing media, and resilient plants.

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## CUSTOMIZABLE

Tailored solutions ensure that you're within project thresholds, meeting design intent, and maximizing performance.



## PRE-VEGETATED AND MODULAR

Developed for simplified installation to help solve logistically challenging projects.



## WIND-TESTED

For both layered and modular assemblies, you can rest assured that your vegetated roof solution is ready to withstand the elements\*.



## RIGHT-SIZED STORMWATER SOLUTIONS

Seamless incorporation to help you meet both detention and retention requirements.



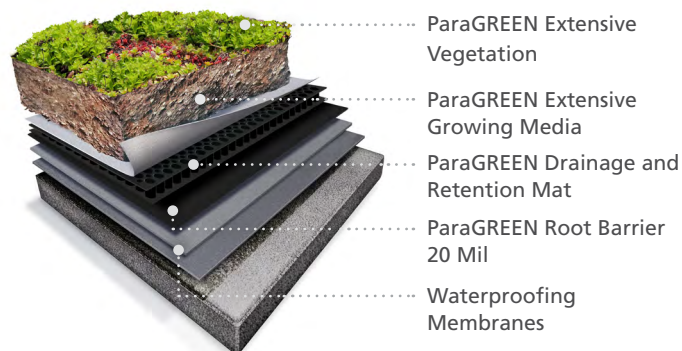
## SINGLE-SOURCE SOLUTIONS

From membrane through vegetation, our complete solutions provide building owners with peace of mind.

\*Siplast does not warrant overburden systems for wind uplift or against blow off

## Extensive

ParaGREEN Extensive layered vegetated roof assemblies incorporate shallower media depths commonly ranging from 3" to 8" and can be tailored to fit within project thresholds. Extensive assemblies can be planted with ParaGREEN Vegetated Mats or containerized herbaceous plants.



## Extensive MINERAL WOOL

ParaGREEN Extensive layered vegetated roof with mineral wool is a great solution for vegetated roofs with thinner media profiles as well as those looking to retain greater amounts of stormwater. The Mineral wool retention mat features abundant micropores, small enough to hold onto large amounts of plant-available water.



## Semi-Intensive

ParaGREEN Semi-Intensive layered roof assemblies are most commonly vegetated with turf grasses or meadow-style plantings with media depths between 8" to 12". Semi-Intensive is designed to withstand the foot traffic from active spaces and meet the horticultural demands of turf grass and deeper rooting prairie-style plantings.



## Intensive

ParaGREEN Intensive layered vegetated roof assemblies incorporate deeper media depths, typically greater than 12", supporting a wide range of plant material from herbaceous plants to large, mature trees. Intensive solutions are employed in applications ranging from amenity decks to immersive landscapes on podium.



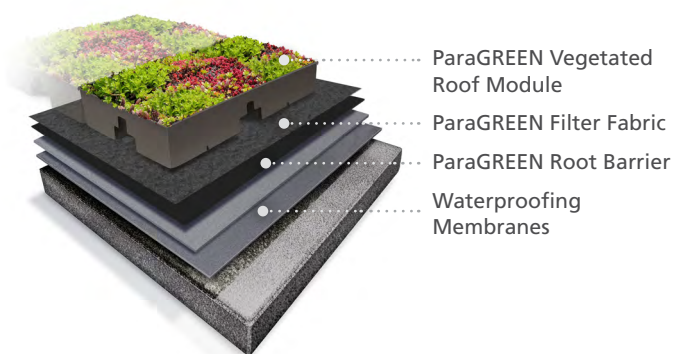
Siplast warranties and guarantees only provide coverage for ParaGREEN Sedum Mats, Tiles, or containerized Extensive Vegetation for two years from the date of installation when purchased through Siplast, so long as the vegetated roof is maintained and reported in accordance with Siplast's installation and maintenance requirements. Refer to sample warranties and guarantees, available at [siplast.com](http://siplast.com), for complete coverage and restrictions.





## Modular

ParaGREEN Vegetated Roof Modules arrive to the project fully vegetated, delivering instant impact. Each module is 12" x 24" and available in 4", 6", or 8" fixed depths.



ParaGREEN ASSEMBLY COMPARISON	EXTENSIVE LAYERED	EXTENSIVE MINERAL WOOL	MODULAR	SEMI INTENSIVE	INTENSIVE
<b>Approximate Total Assembly Profile</b> (height in inches)*	4"-10"	3.5-11.5"	4, 6, 8"	9-13"	13"+
<b>Approximate Assembly Weight</b> (fully saturated, PSF)†	25-65	18-80	23, 36, 49	65-95	90+
<b>Root Barrier‡</b>	PG Root Barrier 20	PG Root Barrier 20	PG Root Barrier 20	PG Root Barrier 20 or 40	PG Root Barrier 40 or 60
<b>Drainage and Retention</b>	PG Drainage and Retention Mat OR PG Drainage and Retention Mat LT	PG Mineral Wool and Entangled Drain Mat	Not Required	PG Drainage and Retention Mat OR PG Drainage and Retention Mat LT	PG Drainage and Retention Mat OR PG Drainage and Retention Mat LT
<b>Typical Media Depth</b>	3-8"	2-10"	4, 6, 8"	8-12"	12"+
<b>Plant Material</b>	PG Pre Vegetated Sedum Mat, Containerized Plant Material	PG Pre Vegetated Sedum Mat, Containerized Plant Material	Sedum	Turf Grass, Meadow (seed or containerized plant material)	Herbaceous and Woody Plants
<b>Customizability</b>	Medium	Medium	Low	Medium	High
<b>Stormwater Management</b> (detention or retention)	Retention	Retention	Retention	Retention	Retention
<b>Stormwater Management</b> (volume)	💧	💧 💧	💧	💧	💧 💧

\*Estimated heights are approximate. ParaGREEN Layered Assemblies may be tailored to fit within project thresholds.

†Estimated weights are approximate. ParaGREEN Layered Assemblies may be tailored to fit within project thresholds.

‡Root barrier is not required with some membrane technologies. Contact Siplast for more information.



# Amenity Space Solutions

MAKING ROOM FOR CREATIVITY

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**Make your unique mark on rooftop decks, patios, and pools with Siplast's integrated, single-source amenity spaces. Integrated with vegetated roofs, our amenity solutions include pavers – available in multiple material options – to provide a communal space for people to gather.**

Our pedestal set hardscape solutions provide a level walking surface over low-sloped roofs and offer easy access to any membranes and mechanicals that may be located below.

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## OPEN JOINT PEDESTAL PAVERS

Allows for water drainage between pavers while maintaining a level, finished surface.



## ACCESSIBLE DRAINS, MEMBRANE, AND UTILITIES

Enjoy ease of access to the roof drains, membrane and utility components.



## LEVEL, FINISHED SURFACE OVER LOW-SLOPING ROOF DECKS

Achieve a level walking surface while maintaining a sloped membrane assembly.



## SOLAR REFLECTANCE OPTIONS

We offer a variety of options to meet your projects solar reflectance index (SRI) requirements for your building or roof.



## WIND-RESISTANT SOLUTIONS

Handle high wind conditions with paver solutions tested to meet high wind uplift conditions.



## Pedestal Pavers

Available in concrete, porcelain and wood for the design flexibility needed to create inspiring outdoor spaces, Siplast pavers allow easy access to the roof and waterproofing system for repairs and regular maintenance. To help combat harsh weather conditions, our pavers provide roof systems with exceptional durability, protection, and performance.

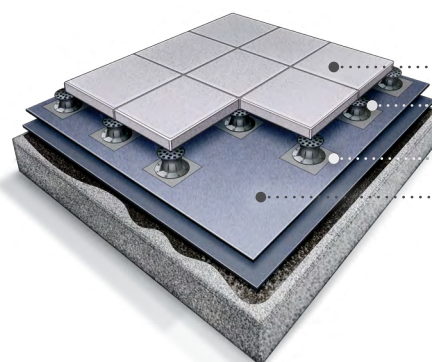


### ADJUSTABLE PEDESTALS

Contact Siplast for complete list of available pedestal manufacturers.

### CONCRETE PAVERS

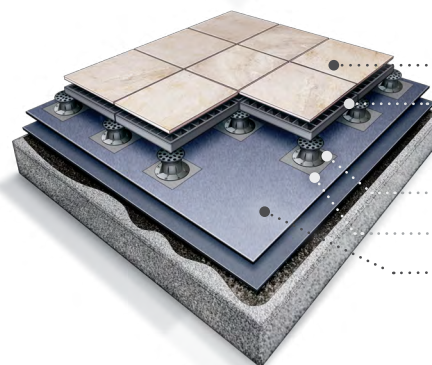
Versatile, durable performance



- Concrete Pavers
- Adjustable Pedestals
- Protection Course
- Waterproofing Membranes

### PORCELAIN PAVERS

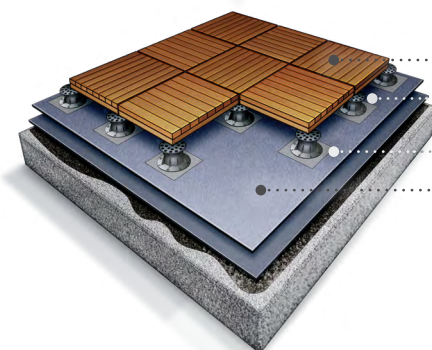
Luxurious appeal, wide range of finishes and textures



- Porcelain Pavers
- Support grid/tray provides stable base and adhesion surface for wind-resistant assemblies
- Adjustable Pedestals
- Protection Course
- Waterproofing Membranes

### WOOD PAVERS

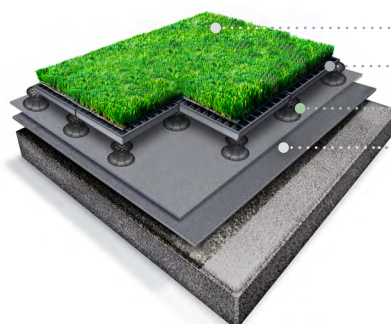
Natural beauty and warmth



- Wood Pavers
- Adjustable Pedestals
- Protection Course
- Waterproofing Membranes

## Artificial Turf

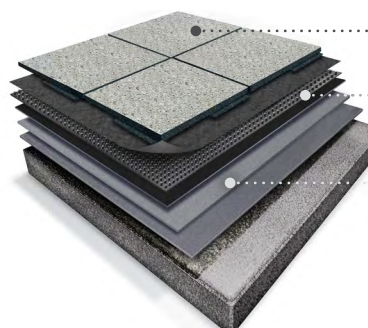
Transform your rooftop amenity spaces into lush outdoor living areas with Siplast artificial turf options that resemble real grass. Ideal for families, pets, and high-traffic, low-maintenance areas.



- Artificial Turf
- Support Grate/Tray
- Adjustable Pedestals
- Membrane Assembly

## Rubber Pavers

Enjoy great function, durability, and form with recycled rubber pavers available in six different color options to beautify any outdoor space. A great solution for play surfaces or high-maintenance areas.




- Rubber Pavers
- Drain Mat or Protection Course
- Membrane Assembly



# Adjustable Pedestals

Easily transform your amenity space into a lush, inviting rooftop garden. Available in a variety of styles, materials, and finishes, Siplast modular planters are engineered for easy removability and redesign to create a beautiful customized look for any outdoor space.



PAVEMENT TYPE COMPARISON	CONCRETE	WOOD	PORCELAIN
Appearance			
Weight per Sq Ft <sup>†</sup>	25 lbs. at 2" thickness (122.06 kg/m <sup>2</sup> )	6 lbs. (29.3 kg/m <sup>2</sup> )	9 lbs. at 3/4" thickness (43.9 kg/m <sup>2</sup> )
Strength <sup>†</sup>	>8,000 PSI per ASTM C 140	IPE Janka Hardness Rating: 3,680 lbs. Species include: Bamboo, Cumaru, Garapa, Ipe, Itauba & Tigerwood. <sup>3</sup>	>3000 lbs per ASTM C648 <sup>‡</sup>
Stain Resistance	High	Moderate	High
Maintenance <sup>§</sup>	Clean as Necessary	Clean as Necessary, Stain as Desired	Clean as Necessary
Min. Thickness (Material)	2"	1.69"	0.79"
Minimum Pedestal Heights	3/8" (5/8" for Hanover Guardian System)	2"	1.64" (w/ tray & pedestal fastened)
Maximum Pedestal Heights	36" (bracing required over 24")	24"	36" (bracing required over 24")
Pedestal Capacity (Weight)	1,000 - 3,000 lb/pedestal	500 - 1,000 lb/pedestal	1,000 - 3,000 lb/pedestal

<sup>†</sup>Subject to change based on thickness.

<sup>‡</sup>Strength is related to finished surface only, and does not include any support grates or trays.

<sup>§</sup>Contact Siplast for specific ratings.

<sup>§</sup>Contact Siplast for acceptable cleaners.



# Stormwater Management Solutions

FREE REIN TO MEET YOUR NEEDS

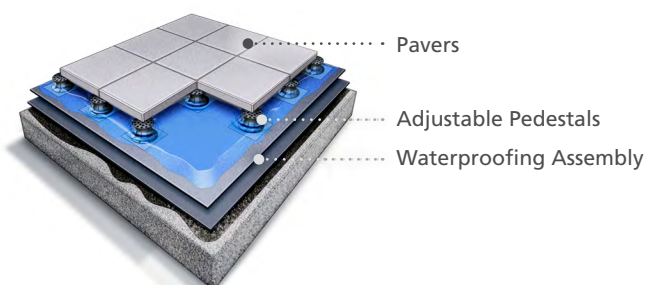


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**Siplast understands that stormwater management requirements vary from region to region, and project to project. As a result, we offer a variety of tools that can be integrated into your vegetated roof or amenity space to help meet your stormwater management requirements.**

## Blue Roof Paver

Siplast Blue Roof assembly employs the annular space created by the pedestals, between the membrane assembly and the bottom of the pavers, to detain stormwater until it can be released off the roof through a flow control drain.



### SEAMLESS INCORPORATION

Solutions to meet a variety of both detention and retention requirements.



### TAILORED SOLUTIONS

Right-sized stormwater solutions designed to meet the unique needs of your project.

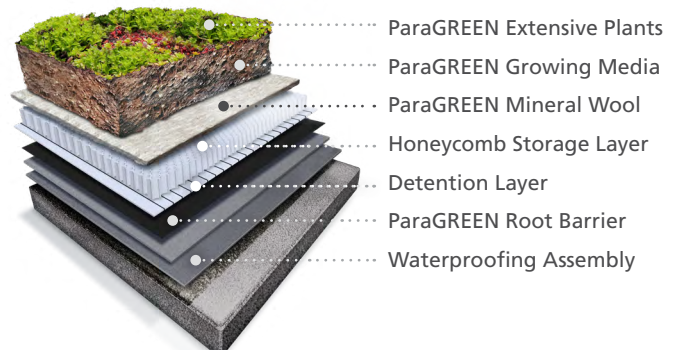


### BROAD WATERPROOFING OPTIONS

Our extensive portfolio of membranes ensures that we offer the right solution for your application.

## Purple Roof The Purple-Roof<sup>®</sup> System

Purple Roof Systems feature both detention and retention capacity to optimize stormwater management and are capable of turning extensive vegetated roofs into effective detention tools on both zero- and low-slope roofs.





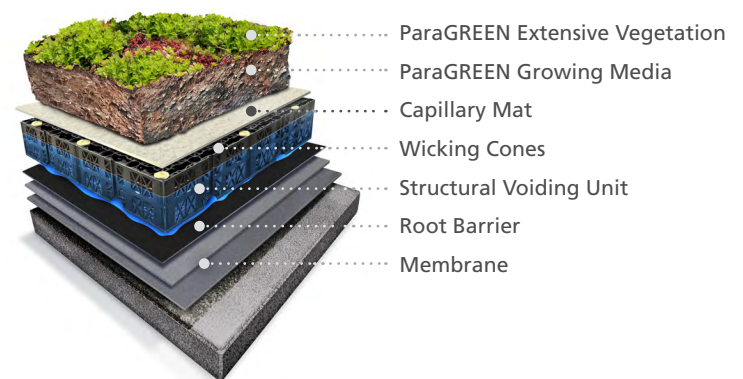
## Blue Green Roof DETENTION

Siplast Blue Green Roof Assemblies integrate a structural voiding unit beneath the vegetated roof assembly to create detention space, and are coupled with a flow control drain to slowly release water from the roof at a prescribed rate.



## Blue Green Roof RETENTION

Siplast Blue Green Roof Retention Systems are designed to retain rainwater on a rooftop and release it slowly via capillary action so it can be accessed by plant material.



STORMWATER MANAGEMENT SPECIFIC SOLUTIONS	PURPLE ROOF	BLUE GREEN ROOF DETENTION	BLUE GREEN ROOF RETENTION (Passive Irrigation)	PAVER BLUE ROOF
<b>Stormwater Management</b> (detention or retention)	Detention and Retention	Detention and Retention	Retention	Detention
<b>Roof Slope*</b>	Effective on zero slope OR low slope roofs	Most Effective on Zero Slope Roofs	Most Effective on Zero Slope Roofs	Most Effective on Zero Slope Roofs
<b>Control Mechanism</b>	Detention Layer and Drain Box	Flow Control Drain	Overflow Drain	Flow Control Drain
<b>Stormwater Storage Layer</b>	Honeycomb (Detention) Mineral Wool (Retention)	Permavoid	Permavoid	Beneath Pavers
<b>Estimated Assembly Profile</b> (height in inches)**	4.5-12"	8"+	8.5" +	6" +
<b>Estimated Assembly Weight</b> (fully saturated, PSF)***	21.5 lb/SF+	45 lb/SF+	50 lb/SF+	Varies
<b>Root Barrier</b>	PG Root Barrier 20	PG Root Barrier 20 or 40	PG Root Barrier 20 or 40	N/A
<b>Typical Vegetated Roof</b>	2-10"	3"+	3"+	N/A
<b>Stormwater Management</b> (volume)	💧 💧	💧 💧 💧	💧 💧 💧	💧 💧 💧

\*Low sloped roofs can diminish the efficiency of Siplast water retention/detention systems as compared to roofs with no slope. For example, 1/4" per 1" slope reduces the storage capacity of a blue roof by 66%.

\*\*Height is estimated based on typical assemblies and dependent on stormwater management requirements.

\*\*\*Weight is estimated based on typical assemblies and dependent on stormwater management requirements. Each system will differ depending upon the specific assembly and climatic conditions of the building location. Always consult a design professional to ensure that the building structure can withstand the actual anticipated weight of the fully saturated system at a given location.

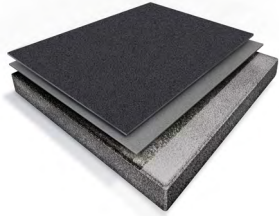


# Waterproofing

Siplast offers practical and durable waterproofing systems that provide building owners with peace of mind, while also ensuring compatibility with overburden applications. Our innovative and time tested waterproofing technologies allow for the marriage of the high-performance protection you've come to expect from Siplast with beautiful design.

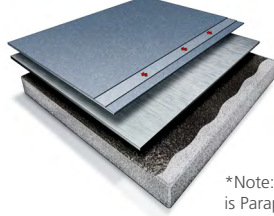
## TERANAP

Our robust, two-ply SBS-modified bitumen Teranap System can help meet the demands of plaza deck, vegetated roof, and pedestrian walkway applications.



## PARAPRO

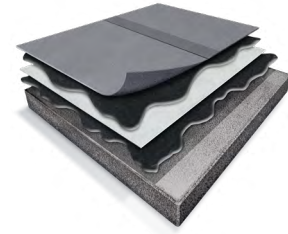
Parapro Flashing Resin and Parapro Roof Membrane Resin, when catalyzed, combine with polyester fleece to form a monolithic, reinforced waterproofing membrane for flashing or roofing applications.



\*Note: Graphic shown is Parapro over Pro Base

## HOT RUBBERIZED ASPHALT

Siplast's Hot-Applied System delivers a fast-setting, fully bonded, continuous membrane for waterproofing decks and other buried membrane applications.



WATERPROOFING ASSEMBLY COMPARISON	TERANAP WATERPROOFING	PARAPRO WATERPROOFING OVER PRO BASE	PARAPRO APPLIED DIRECTLY TO STRUCTURAL CONCRETE	PA-750 HOT-APPLIED RUBBERIZED WATERPROOFING
<b>Appearance</b>	Multi-Layer SBS Modified Bitumen Waterproofing Membrane System	Multi-component PMMA reinforced monolithic waterproofing membrane system.	Multi-component PMMA reinforced waterproofing membrane system.	Hot-applied rubberized reinforced monolithic waterproofing membrane system.
<b>Surface Prep</b>	Minimal	Minimal	Structural concrete: CSP 2 to 4 for Pro Primer T CSP 3 for Pro Primer E	Structural concrete: CSP 3-5 or light broom finish. Surface prep may be required on re-roof.
<b>Relative Ease of Installation</b>	Easy	Moderate	Moderate	Moderate
<b>Maximum Exposure Time Before Application of Finish Coat</b>	10 Weeks	Parapro: Indefinite	N/A	30 days
<b>Durability During Construction*</b>	Moderate	Strong	Strong	Soft
<b>Flashing Options</b>	Unexposed/Protected: Teranap or Sand UV Exposed: Veral Aluminum, granule surface flashing sheet, or Parapro 123 Flashing System	Parapro 123 Flashing System	Parapro 123 Flashing System	Veral Aluminum, granule surface flashing sheet, or Parapro 123 Flashing System
<b>Install Directly onto LWIC?</b>	Yes - Insulcel RT System w/ torch applied Paradiene 20 TS Base Ply only	Yes - Insulcel RT System w/ torch applied Pro Base TS Base Ply only	No	No
<b>Suitable for Zero Slope Application</b>	Yes	Yes	Yes	Yes
<b>Max Guarantee Term†</b>	Up to 30 years	Up to 30 years	Up to 20 years	Up to 20 years
<b>Relative Cost</b>	\$\$	\$\$\$	\$\$\$\$	\$

\*Siplast does not provide coverage for traffic or other physical impacts. Refer to sample guarantees and warranties available at [siplast.com](http://siplast.com), for complete coverage and restrictions.

†For qualified systems only. Additional requirements apply. Contact Siplast for more information. Refer to the sample guarantees, available at [siplast.com](http://siplast.com), for complete coverage and restrictions.

## Root Barriers



### Root Barrier

Provides protection against root penetration. Seams may be overlapped and taped or heat welded.

#### 20 Mil

Extensive, non-woody, non-aggressive rooting vegetation

Weight	150lbs
Size	200ft x 7.5ft
Thickness	20mil (0.5mm)

#### 40 Mil

Semi-intensive and intensive non-aggressive rooting vegetation

Weight	150lbs
Size	95ft x 7.5ft
Thickness	40mil (1.0mm)

#### 60 Mil

Intensive aggressive rooting vegetation

Weight	150lbs
Size	40mil (1.0mm)
Thickness	60mil (1.52mm)



### Root Barrier Tape

Used to tape overlapped seams of ParaGREEN Root Barrier.

Size	4in x 100ft
Thickness	15mils

## Insulation and Geofoam



### XPS Insulation

Closed-Cell extruded polystyrene. High Compressive Strength and Moisture Resistance. Available in 25, 40, 60, and 100 PSI.

Weight	0.17lb/BF (12in x 12in x 1in)
Size	24ft x 96ft or 48ft x 96ft
Thickness	1-4in



### EPS Geofoam

Expanded Polystyrene commonly used as lightweight fill in vegetated roof applications to lower the structural impact. Available in multiple compressive strengths to meet application requirements.

Weight	0.7lb/cf - 1.8lb/cf
Size	Multiple Sizes
Thickness	Available

## Filter Fabrics, Drainage and Water Retention



### Paradrain

Dual-component dimpled drain sheet consisting of a formed polypropylene core covered on one side with a non-woven, non-rotting polypropylene filter fabric. Compressive strength of 18,000 PSF. In-Plane flow rate of 21 gpm/ft.

Weight	53lbs
Size	4ft x 50ft roll
Thickness	0.44in



### Paradrain HC (High Compressive Strength)

Dual-component dimpled drain sheet consisting of a formed polypropylene core and covered on one side with a non-woven, non-rotting polypropylene filter fabric. Compressive strength of 30,000 PSF. In-Plane flow rate of 13 gpm/ft.

Weight	53lbs
Size	4ft x 50ft roll
Thickness	0.25in



### ParaGREEN Filter Fabric

A non-woven, non-rotting polypropylene filter fabric designed to contain ballast fines, growing media, and other loose overburden material.

Weight	167lbs
Size	15ft x 360ft roll
Thickness	4oz



### ParaGREEN Filter Fabric 20

A non-woven, non-rotting polypropylene filter fabric designed to contain ballast fines, growing media, and other loose overburden material. 20in wide roll eliminates the need to cut down larger rolls on site when filter fabric is just needed at horizontal to vertical transitions, up to 12in height.

Weight	16lbs
Size	20in x 360ft roll
Thickness	3oz



### ParaGREEN Drainage and Water Retention Mat

Dual-component, prefabricated sheet drain and water retention mat suitable for extensive, semi-intensive, and intensive vegetated roof applications. Retains 0.08 gal/ft<sup>2</sup>. In-Plane flow rate of 80 gpm/ft.

Weight	40lbs
Size	4ft x 150ft roll
Thickness	1in



### ParaGREEN Drainage and Water Retention Mat LT

Dual-component, prefabricated sheet drain and water retention mat suitable for extensive, semi-intensive, and intensive vegetated roof applications. Retains 0.05 gal/ft<sup>2</sup>. In-Plane flow rate of 18 gpm/ft.

Weight	45lbs
Size	4ft x 50ft roll
Thickness	.44in



### ParaGREEN Mineral Wool

Horticultural grade water retention layer comprised of fibers of spun rock with a high water retention to thickness ratio. Retains approximately 0.6in of water per 1in layer.

Weight	48lbs
Size	3.28ft x 16.4ft roll
Thickness	1in





**ParaGREEN  
Entangled  
Drain Mat**

½ inch thick drainage core of entangled monofilaments, thermally bonded to a non-woven geotextile. Installed beneath mineral wool retention layer or in other locations that do not require a retention component. >30,000 PSF (ASTM D1621). 120 gal/min/sq ft (ASTM D4491).

Weight | 56lbs  
Size | 4ft x 100ft  
Thickness | 0.45in



**ParaGREEN  
High Volume  
Retention Panel**

High retention drainage panel suitable for use with extensive, semi-intensive, and intensive vegetated roof assembly. To be covered with ParaGREEN Filter fabric upon installation. 0.458/gal/ft<sup>2</sup> (ASTM E2398/E2398M). 6.49 gpm Flow Rate (ASTM D4716).

Weight | 8lbs  
Size | 4ft x 6ft  
Thickness | 1in

## Growing Media and Plant Material



**ParaGREEN  
Engineered  
Growing Media**

Lightweight growing media for vegetated roof assemblies composed of lightweight aggregates, fine aggregates and premium organic components to help promote plant growth.

**Extensive, Intensive, Semi-Intensive, Custom**

Weight | 80-90lbs/CF bulk density at Max. Water Holding Capacity  
Size/Thickness | Available in Bulk, Super Sack, or Small Bags



**ParaGREEN  
Sedum Mats**

A living plant pallet comprised of a mix of hardy Sedums specifically developed for efficiently vegetating extensive vegetated roofs. ParaGREEN Sedum Mats are grown into a coconut mat with a reinforcing mesh to increase integrity.

Weight | 75-100lbs Dry/  
125-150 Saturated  
Size | 6.3ft x 4ft  
Thickness | 2-3in



**ParaGREEN  
Sedum Tile**

A living plant pallet comprised of a mix of hardy sedum specifically developed for efficiently vegetating extensive roof applications. Comprised of a coconut fiber mat, a thin layer of growing media, and a hardy variety of sedums. Available in a number of standard mixes. Inquire with Siplast for more information.

Weight | 5.5lbs  
Size | 12in x 24in  
Thickness | 2-3in



**ParaGREEN  
Containerized  
Extensive  
Vegetation**

Containerized Extensive Vegetation is available in 2in plugs or 4in pots and is limited to sedums and succulents, grasses, and herbaceous perennials and subject to regional suitability. Grown to order and based on availability. Contact Siplast for more information.

Size | 2in Plug/4in Pot  
Thickness | Variable

## Wind and Erosion



**ParaGREEN  
Wind Uplift Mat**

Utilized in combination with ParaGREEN Wind Anchors to stabilize vegetation and growing media layers of the vegetated roof assembly. Comprised of high quality polypropylene resin and carbon black. 1.8in x 2.5in Aperture Size. 100% UV Degradation (ASTM D4355).

Weight | 112lbs  
Size | 12.9ft x 164ft roll



**ParaGREEN  
Wind Anchor**

Utilized in combination with ParaGREEN Wind Uplift Mat and Erosion Control Mats to stabilize the growing media and plants and provide protection against wind. Consisting of recycled polypropylene base, stem, and suppression disk. Available in 12in or 18in heights.

Weight | Boxes of 100  
Size | 2-18in Height



**ParaGREEN  
Erosion Control  
Mat B**

Utilized in combination with ParaGREEN Wind Uplift Mat and Erosion Control Mats to stabilize the growing media and plants and provide wind resistance.

Weight | 92lbs  
Size | 4ft x 225ft roll  
Thickness | 0.25in



**ParaGREEN Metal  
Edge Restraint  
Extruded  
Aluminum**

Extruded Aluminum, slotted vegetated roof transition. Standard Factory Formed Corners Available. Standard Aluminum Mill finish available.

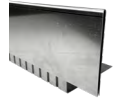
Weight | 20-30lbs/piece  
Size | 4.5in x 8ft  
6.5in x 8ft  
8.25in x 8ft  
Thickness | 20.1mils (24 gauge)



**ParaGREEN  
Metal Edge  
Restraint**

Premier slotted metal vegetated roof transition. Standard thickness 32mils (20 gauge). Available in multiple finishes, inquire with Siplast for more information.

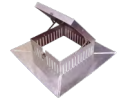
Weight	Varies
Size	Varies
Thickness	2-12in



**ParaGREEN  
Metal Edge  
Restraint  
Leveling Cap**

Installed with ParaGREEN Metal Edge Restraint to provide a level finish elevation in low slope roof applications. Standard thickness 32mils (20 gauge). Available in multiple finishes, inquire with Siplast for more information.

Weight	Varies
Size	Varies
Thickness	0.063-0.080in



**ParaGREEN  
Drain Chamber**

Installed over roof drain to help prevent debris from clogging drain body and allow for easy drain inspection. Standard size 13in x 13in, custom sizes available. 64mils thickness (14 gauge).

Weight	1.0lb
Size	13in x 13in x 6in
Thickness	64mils (14 gauge)

## Vegetated Roof Modules



**ParaGREEN 4in  
Vegetated Roof  
Module**

A fully vegetated green roof module comprised of 60% recycled plastic filled with growing media and vegetation. Includes reservoir for stormwater retention and drainage channels to facilitate drainage and accommodate irrigation lines. Approximate stormwater retention of 1 gal/sf.

Weight	Up to 23lbs/SF Saturated
Size	12in x 24in
Thickness	4in



**ParaGREEN 6in  
Vegetated Roof  
Model**

A fully vegetated green roof module comprised of 60% recycled plastic filled with growing media and vegetation. Includes reservoir for stormwater retention and drainage channels to facilitate drainage and accommodate irrigation lines. Approximate stormwater retention of 1.98 gal/sf.

Weight	Up to 36 lbs/SF
Size	12in x 24in
Thickness	6in

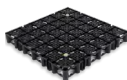


**ParaGREEN 8in  
Vegetated Roof  
Model**

A fully vegetated green roof module comprised of 60% recycled plastic filled with growing media and vegetation. Includes reservoir for stormwater retention and drainage channels to facilitate drainage and accommodate irrigation lines. Approximate stormwater retention of 2.6 gal/sf.

Weight	Up to 49 lbs/SF
Size	12in x 24in
Thickness	8in

## Stormwater Products



**Permavoid 85-S**

A high-strength water management solution providing structural foundation for water storage with 95% void space, incorporated at the base of ParaGREEN Vegetated Roof Assemblies or Amenity Decks. Ability to incorporate capillary cylinders and capillary fabric to facilitate passive irrigation. Contact Siplast for project specific calculations.

Weight	1.20 lb/SF
Size	27.95in x 27.95in
Thickness	3.35in



**Permavoid 150**

A high-strength water management solution providing structural foundation for water storage with 95% void space, incorporated at the base of ParaGREEN Vegetated Roof Assemblies or Amenity Decks. Ability to incorporate capillary cylinders and capillary fabric to facilitate passive irrigation. Contact Siplast for project specific calculations.

Weight	2.66 lb/SF
Size	27.95in x 13.98in
Thickness	5.91in



**Purple Roof**

A vegetated roof system that optimizes stormwater retention and turns vegetated roofs into stormwater detention tools. Comprised of a threaded detention layer, honeycomb reservoir, mineral wool retention layer, growing media and plants. Effective on zero slope and low-slope roofs. Contact Siplast for project specific calculations.

Weight	Inquire with Siplast for more information
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# With You Every Step of the Way.

Whether you're an architect, contractor, or building owner, you can be confident that Siplast is equipped to meet all of your green roofing and amenity space needs. As your proven one-stop shop, we deliver high-performing, warranted, coordinated assembly solutions that meet every project demand. And as your trusted partner, we're with you every step of the way – from design guidance through installation and beyond.



## TAKE THE FIRST STEP

Message and data rates may apply.



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