

Firestone

BUILDING PRODUCTS

NOBODY COVERS YOU BETTER.™



SkyScape™ Vegetative Roof Systems

BRING THE BENEFITS OF SUSTAINABLE ROOFING TO YOUR NEXT PROJECT.



Experience true peace of mind.

SkyScape™ Vegetative Roof Systems provide a full range of easy-to-install design solutions that meet or exceed all major performance criteria. Plus, they're covered by the strength of the Firestone Red Shield™ Warranty.

Easy to Install

Our Pregrown Modular System (15" x 20" x 5.75") is 50 lbs. per module—light enough for a simple, one-person installation. Our Built-in-Place systems integrate filter fabric, drainage panel, and geotextile into a single roll to reduce labor. So you get a complete, beautiful, vegetative roof on the day of installation.

Field-proven, Lab-approved

A decade of field experience in vegetative roofing has enabled Firestone to provide thriving systems that we confidently warranty for up to 30 years.

- Firestone Growing Media is blended to Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau (FLL) international standards and is regionally formulated to maximize sustainable plant growth in multiple climatic conditions
- We grow our award-winning Sedum Mats with proven, carefully selected sedum species designed specifically for rooftop survivability
- All of our systems meet ANSI/SPRI RP-14 design guidelines for wind uplift resistance

Design Assistance

Firestone specialists in horticulture, landscape architecture, plant and soil science support our SkyScape Vegetative Roof Systems. They work with some of the most experienced professionals in the commercial roofing industry to best assist you, and can easily provide:

- Complete system specifications
- Design suggestions
- Plant selection assistance
- Detail drawings
- Technical documentation
- Stormwater calculations
- Budgeting assistance
- Operations and maintenance procedures
- Remediation support



Single-source coverage

(Firestone Red Shield Warranty)

When installed by a licensed Red Shield Contractor, your Firestone Roofing System (*materials, labor and installation*) and SkyScape Vegetative Roof Systems (*vegetative trays and associated hardware, labor and installation, with optional coverage for Overburden and 2-Year Plant Growth*) can be covered by a single Firestone Red Shield Warranty of up to 30 years. For more information on our warranty options, please visit www.firestonebpc.com.



Choose from abundant design solutions and system types.

To meet the needs of your unique projects, Firestone offers a variety of performance engineered green roof design solutions.

- SkyScape Pregrown Modular System
- SkyScape Extensive System (*less than 6" media depth*)
- SkyScape Semi-Intensive System (*6-8" media depth*)
- SkyScape Intensive System (*8" and greater media depth*)

SkyScape Pregrown Modular System

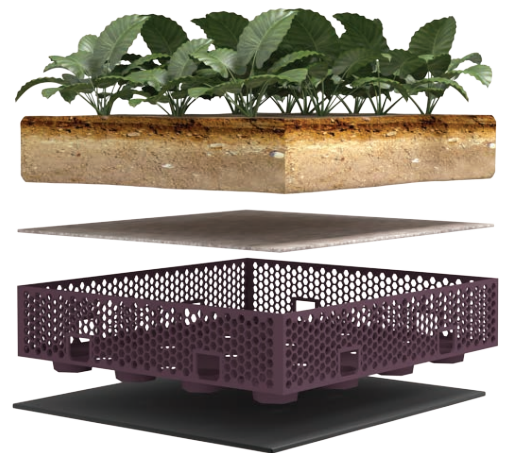
The SkyScape Pregrown Modular System is built on the foundation of our 15" x 20" x 5.75" with 4.0" media depth, 100% recycled HDPE module. The module is also FM approved for fire resistance.

An Engineered Environment

The sides of the SkyScape module are honeycombed to allow for ample interconnectivity between modules. The unique design of the module floor maximizes its ability to manage stormwater through unitized moisture-retention reservoirs, and encourages airflow beneath the system. Plus, the SkyScape modules interlock on all four sides, creating a complete assembly that effectively resists wind uplift. Optional grow-in irrigation is also available (*see page 6 for more information*).

Long-lasting Green in an Instant

Plant species used in SkyScape Pregrown Modular Systems are chosen for their proven performance in successfully acclimating to rooftop microenvironments. These species are planted through appropriate selection and propagation methodologies, and are grown under nurseryman care in the field for months prior to delivery, ensuring a thriving root system and a sustainable green roof from day one.

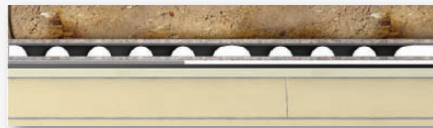




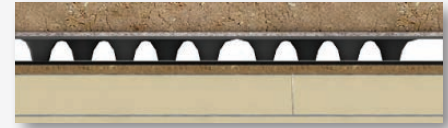
SkyScape Built-in-Place Systems

SkyScape Extensive System *(less than 6" media depth)*

The single-roll drainage system features the 0.5" or 1.0" SkyScape Drainage Panel with filter fabric bonded to the top and a geotextile bonded to the underside. Extensive Systems are among the most popular type of vegetative roofing due to their lighter weight, shorter installation time and ability to effectively manage stormwater to meet local code requirements. Our award-winning SkyScape Sedum Mats are recommended.



Extensive 0.5"



Extensive 1.0"

This meadow-like, easy-to-install vegetative roof also serves as a functional stormwater management platform. Drought-tolerant succulent plant species form the basis of an Extensive System plant mix and come in a variety of deliverables for installation.

SkyScape Semi-Intensive System *(6-8" media depth)*

This system features deeper media, allowing for a aesthetically designed rooftop landscape with more complex plants, including accent plugs and perennials, than an Extensive System. This system includes either our 0.5" drainage panel, or our 1.0" drainage panel, with filter fabric bonded to the top and a geotextile bonded to the underside.

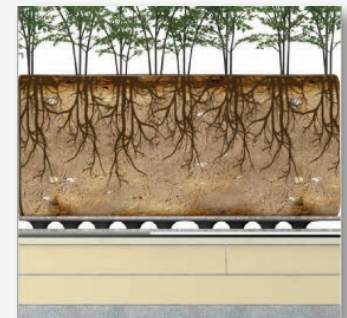
An irrigation system is generally recommended to ensure plant health.



SkyScape Intensive System *(8" and greater media depth)*

Intensive Systems allow for the most creative rooftop garden designs, with seemingly unlimited options. In addition to the plants listed above, larger conventional perennials and grasses, native forbs and grasses, shrubs, and even small trees can be included *(all set on our 1.0" Drainage Panel)*.

Irrigation and enhanced horticultural care are recommended to ensure plant health.



Our award-winning Sedum Mats are **planted and matured in the field** - not in a greenhouse.



Growing Media and Plants

SkyScape Growing Media

Blended according to FLL guidelines, SkyScape Growing Media includes high-quality, inorganic aggregates and organic components that optimize survivability. Each blend is regionally formulated to meet the climatic conditions of your project location and to ensure that your vegetative roof acclimates and thrives from day one.

SkyScape Sedum Mats

Our award-winning mats are planted and matured in the field—not in a greenhouse—and include a blend of:

- Sedum spurium 'Fuldaglut'
- Sedum spurium 'John Creech'
- Sedum spurium 'Red Carpet'
- Sedum spurium 'Tricolor'
- Sedum kamtschaticum
- Phedimus takesimensis 'Golden Carpet'
- Sedum acre 'Gold Moss'
- Sedum album 'Coral Carpet'
- Sedum album 'Murale'
- Sedum floriferum "Weihenstephaner Gold"
- Sedum reflexum 'Blue Spruce'
- Sedum rupestre 'Angelina'
- Sedum sexangulare
- Sedum hybridum 'Immergrunchen'

SkyScape Plant Plugs

Our selection of plugs includes proven rooftop performers, such as:

- Sedum x 'Bertram Anderson'
- Sedum hybridum 'Immergrunchen'
- Sedum floriferum 'Weihenstephaner Gold'
- Sedum acre 'Golden Carpet'
- Sedum reflexum 'Blue Spruce'
- Sedum rupestre 'Angelina'
- Sedum spurium 'John Creech'
- Sedum spurium 'Dragon's Blood'
- Sedum spurium Roseum
- Sedum spurium 'Fuldaglut'
- Sedum spurium 'Red Carpet'
- Sedum spurium 'Tricolor'
- Sedum stefco
- Sedum album 'Coral Carpet'
- Sedum album 'Murale'
- Sedum spurium 'Superbum'
- Sedum sexangulare
- Sedum acre 'Gold Moss'
- Sedum caucicola 'Lidakense'
- Sedum divergens
- Sedum spurium 'Bronze Carpet'

Plant Selection

Selecting the right varieties of plants for your vegetative roof is critical to its longevity. They must meet the climatic conditions of each project while also growing cooperatively with one another.

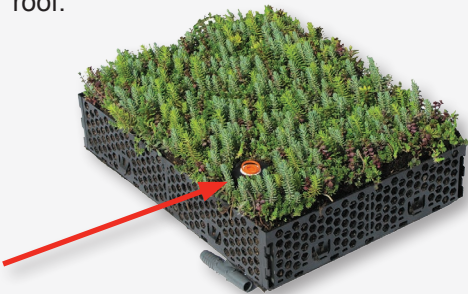
That's why Firestone offers our customers professional assistance in selecting plants, and will work with your design team to create a custom plant palette that remains beautiful and robust for years to come.



SkyScape Vegetative Roof System Accessories

Irrigation Components

Firestone pop-up sprinkler rotator heads can be attached to the floor of our Modular System before the modules are grown in the field. The heads may either be attached using pipe provided by Firestone, or via an existing sprinkler system on the roof.



Sloped Components

Vegetative roofs can thrive in sloped environments with Firestone Sloped Cleats, Sloped Capillary Mat, Sloped GeoGrid and Sloped Drainage Panel. Firestone is dedicated to working with your design team and the product manufacturers to help create a design that brings all the benefits of a vegetative environment to life.



Edge Systems

SkyScape Edge Metal

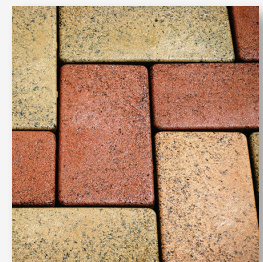
- Available for the SkyScape Modular System, and our Built-in-Place Systems
- Firestone can provide custom edge metal configurations for unique designs



Pavers

SkyPaver™ Composite Roof Pavers

- Made from 95% recycled rubber and plastic
- Weigh a third less than concrete pavers
- Available in six stunning colors
- Brick-like shape and appearance allows for multiple installation patterns, including curved designs (*with special wedge pavers*)



SkyPaver Plaza Pedestal and Paver Systems

- Ideal for installations over tapered insulation systems or low-slope roofs
- Screw jack adjustable pedestals accommodate a variety of slope conditions, creating a level surface for our concrete Plaza Pavers
- Clean, sturdy rooftop plaza space
- Available in seven colors (*including high-reflectance white and IPE wood pavers for a natural, finished appearance*)

Top 10 benefits of SkyScape Vegetative Roof Systems



Stormwater management

Vegetative roofs can be outstanding stormwater management tools in urban environments.



Amenity space

Vegetative roofs create readily accessible green environments for residents and workers, and offer playground space at urban schools and childcare facilities.



Urban heat island effect mitigation

Providing shade and removing heat from the air through evapotranspiration, vegetative roofs are able to significantly lower the air temperatures above the roof surface.



Habitat space

Vegetative roofs help provide a habitat for birds, butterflies and insects, and promote biodiversity.



Urban agriculture

Growing roof-based produce provides an opportunity for community-building and empowerment through shared rooftop gardens, and supplies locally sourced food for restaurants and the hospitality industry.



Therapeutic value

Horticultural therapy has shown to improve health among aging populations and for those with health issues, including faster recovery rates for hospital patients. Overall well-being can be markedly increased with greenery and natural vistas.



Morale and performance

Studies show that visible and/or accessible green roofs on commercial rooftops improve morale and productivity.



Interior noise reduction

Growing media blocks lower frequencies; Plants block higher frequencies; and the mass created by a vegetative roof serves as a sound dampener for the interior space.



Municipal economic incentives

A rapidly growing number of municipalities are offering financial incentives for building owners who install vegetative roofs.



Increased property value

According to a 2010 study, having a view of a green roof raises property values by as much as 9%, and having access to the green roof raises property values by 11%. As urbanization increases, so does the desire for green space.

Firestone

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NOBODY COVERS YOU BETTER.™


Partnering with Firestone Building Products means superior support that goes beyond the materials you need for your projects. We look at the big picture with you, taking the entire building envelope into consideration, so we can provide you with a complete solution. For exceptionally performing building materials backed by the services, warranty and expertise you need...

Count on Firestone.



For more information, ask your local Firestone sales rep or visit firestonebpc.com.

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