

ROOF GARDEN ROOFING SYSTEMS



VERSICO'S ROOF GARDEN SYSTEMS

Versico Roofing Systems was formed in 1993 through the acquisition of a major single-ply roofing manufacturer. Today, more than twenty-five years later, Versico has positioned itself as one of the top single-ply roofing system suppliers in the U.S. by focusing its efforts on quality products and exceptional service.

With decades of experience in the single-ply roofing field, Versico has been instrumental in the development of today's leading technologies in the commercial roofing industry.

Versico's product offering includes VersiGard® EPDM, VersiWeld® TPO, VersiFlex™ PVC and VersiFleece® membranes, as well as a full line of complementing accessories. And while the company's primary focus is on producing innovative and leading-edge, commercial, low-slope roofing membranes and accessories, Versico also provides insulation, coatings, skylights, pavers, and edge metal. Versico also makes its own adhesives, primers, and membrane cleaners and is a leader in vegetative, or Roof Garden systems.

Since the earliest recorded Roof Gardens in Mesopotamia around 600 B.C., vegetated roofs have been an architectural staple of civilization. While they have changed in appearance and function, Roof Gardens have served to enhance the aesthetic appeal of your building and its surrounding area along with a variety of other benefits.





WHY ROOF GARDENS?



Improve Stormwater Management

Filter and reduce stormwater, helping to minimize the stress placed on sewer systems and prevent flooding.



Enhanced amenity space

Add aesthetically appealing real estate to your building, giving your tenants much-needed green space.



Reduced urban heat island effect

Reduce the urban heat island effect as the sunlight is absorbed into the vegetation and used for growth instead of being converted into heat energy.



Extended roof lifecycle

Protect your rooftop membrane and substrate from weathering, extending the service life of your roof system.



Increased air and water purification

Capture airborne pollutants and atmospheric deposition while also filtering noxious gases.



Habitat for wildlife

Provide extra wildlife environments for the bee population and migrating birds, especially in towns and cities where natural habitats are so scarce.



WHY VERSICO?

Complete Product Offering

Versico Roofing Systems Roof Garden systems incorporate a variety of high-performance components including waterproofing membranes, drainage and water retention layers, engineered growth media, and vegetation options. Offering such a wide range of products allows Versico to meet specification requirements and provides the expertise to guide you through your project from start to finish.

Design Flexibility

Versico's technical and design services staff will assist you with your vegetated roof design, product selection and jobsite application. Because Versico manufactures a wide variety of roofing membranes, our systems provide the utmost flexibility for your rooftop, and our experts can assist you through the process of designing a Roof Garden system that will enable your building to perform to its optimal capacity.

Technical Services

With decades of combined experience, Versico's technical services staff can provide the expertise you need, assisting with jobsite application and inspecting the rooftop to ensure that it is installed to the highest quality standards.

Quality-Focused Authorized Contractor Network

Fewer than 10% of all roofing contractors in the United States qualify to become Versico Authorized Contractors, ensuring that only the most skilled contractors are permitted to install Versico roof systems. These contractors have completed rigorous technical and hands-on training and have the

product knowledge and real-world experience to install your Roof Garden so that it thrives for years to come.

Industry-leading Warranty Coverage

As a division of Carlisle Construction Materials, Versico Roofing Systems has a large warranty reserve, ensuring that your investment is backed by proven financial stability. Versico offers industry-leading warranty coverage on all of our roof systems, giving you the peace of mind of knowing that your rooftop will perform for the long haul.

Enhanced Aesthetics & Amenity Space

Adding a Roof Garden to your rooftop, a space that is often overlooked and under-utilized, provides natural green space for tenants to enjoy while adding value to your building. These designed green spaces can vary from simple sedum roofs with plaza areas to more intricate designs that emulate traditional parks.

Vegetated roofs not only add real estate space and aesthetic appeal to your building, they have also been proven to increase employee satisfaction, productivity, creativity and health. Both visual and physical access to a green space helps to restore the mind's ability to focus, improving job and school performance and helping to alleviate mental stress and illness.

Stormwater Management

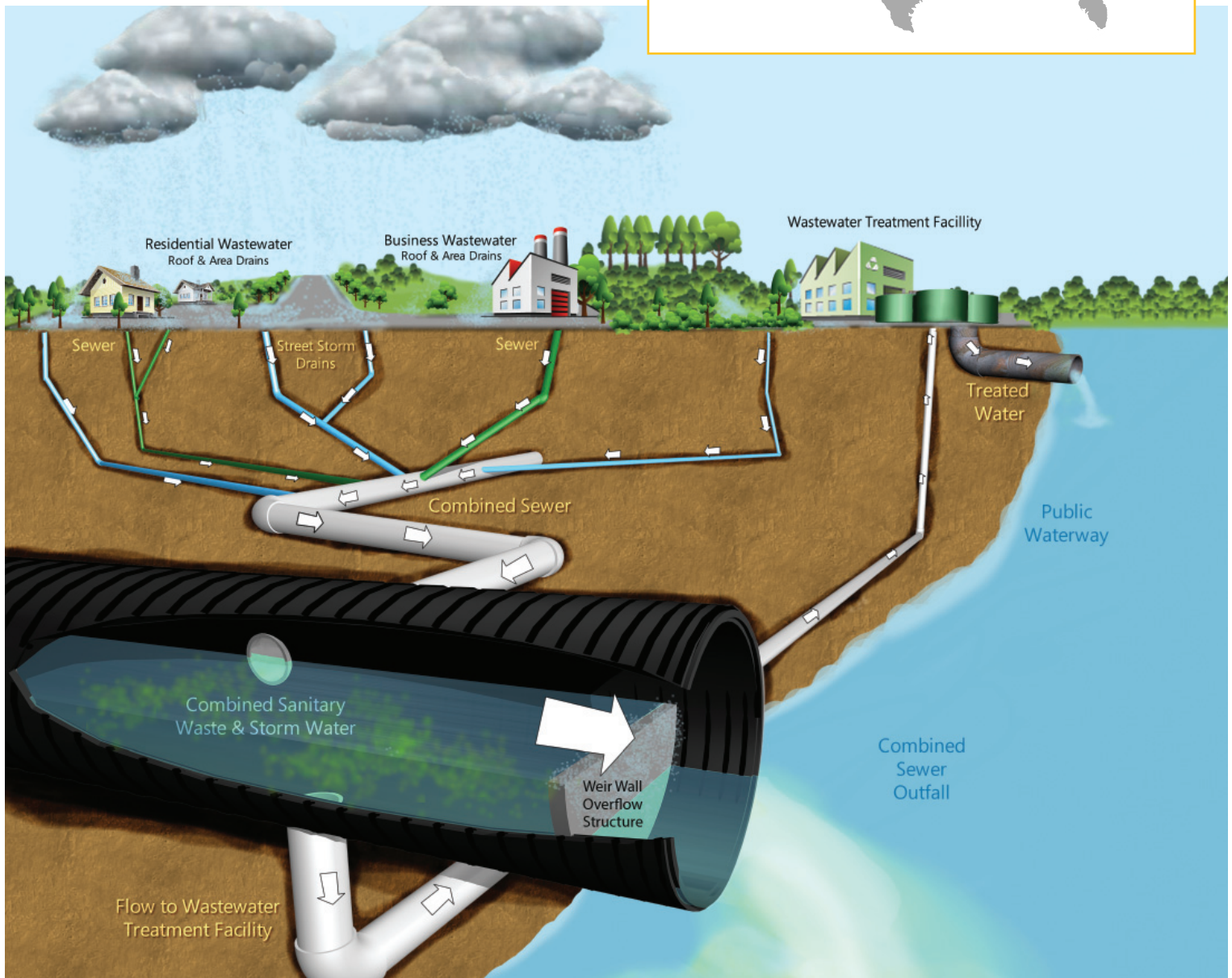
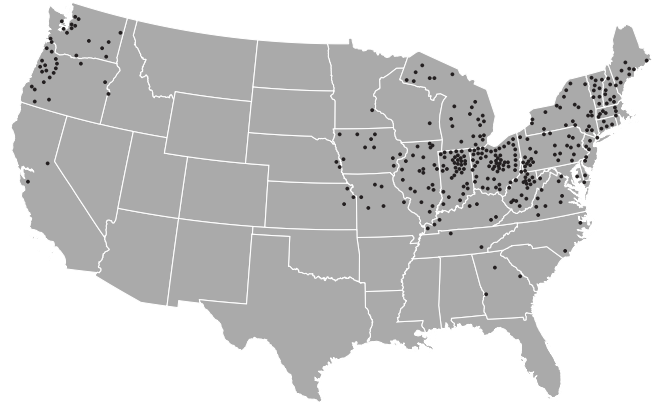
Roof Gardens not only detain and retain rainwater, they also moderate its temperature and filter any stormwater runoff. By filtering and reducing stormwater runoff, Roof Gardens help to decrease the stress placed on sewer systems at peak flow periods.

According to the Environmental Protection Agency, there are 772 communities in the U.S. with combined sewer systems, meaning that rainwater runoff, domestic sewage, and industrial wastewater are collected in the same pipes. While modern communities have separate systems that collect and divert stormwater and sewage, many older American cities were built on the combined sewer system model.

During heavy periods of rainfall or snowmelt, the input volumes experienced by the combined sewer systems can exceed the capacity of the wastewater treatment facility. When this occurs, the systems are designed to overflow and discharge excess wastewater directly to nearby streams, rivers, and other bodies of water. This practice results in what is called a Combined Sewer Overflow Event.

One of the primary benefits of a properly designed Roof Garden is that it captures a large percentage of rainfall and delays runoff from the roof. This provides the existing wastewater treatment facility the additional capacity to process other wastewater inputs. Studies have shown a 4" extensive sedum roof is able to capture 60-75% of annual rainfall in temperate climates.

Combined Sewer Overflow Events in the U.S





GREEN ROOF: **THE SOLUTION TO ADDING AMENITY SPACE**

You can never have too much green space on a college campus, so when Suffolk County Community College (SCCC) decided to build a new library and resource center on its Brentwood, New York campus, a roof garden was nonnegotiable. The new 75,000 square-foot Learning Resource Center and library allowed for SCCC to expand both its indoor and outdoor facilities with the inclusion of a roof garden.

Begun in late August 2017, this exquisite roof garden was completed in early September, within just three short weeks. The speed of installation enabled the college to open this new green space to its campus community before the end of the year. SCCC is sure to see decades of students reaping the benefits of fresh air, sunshine and luscious plant life.



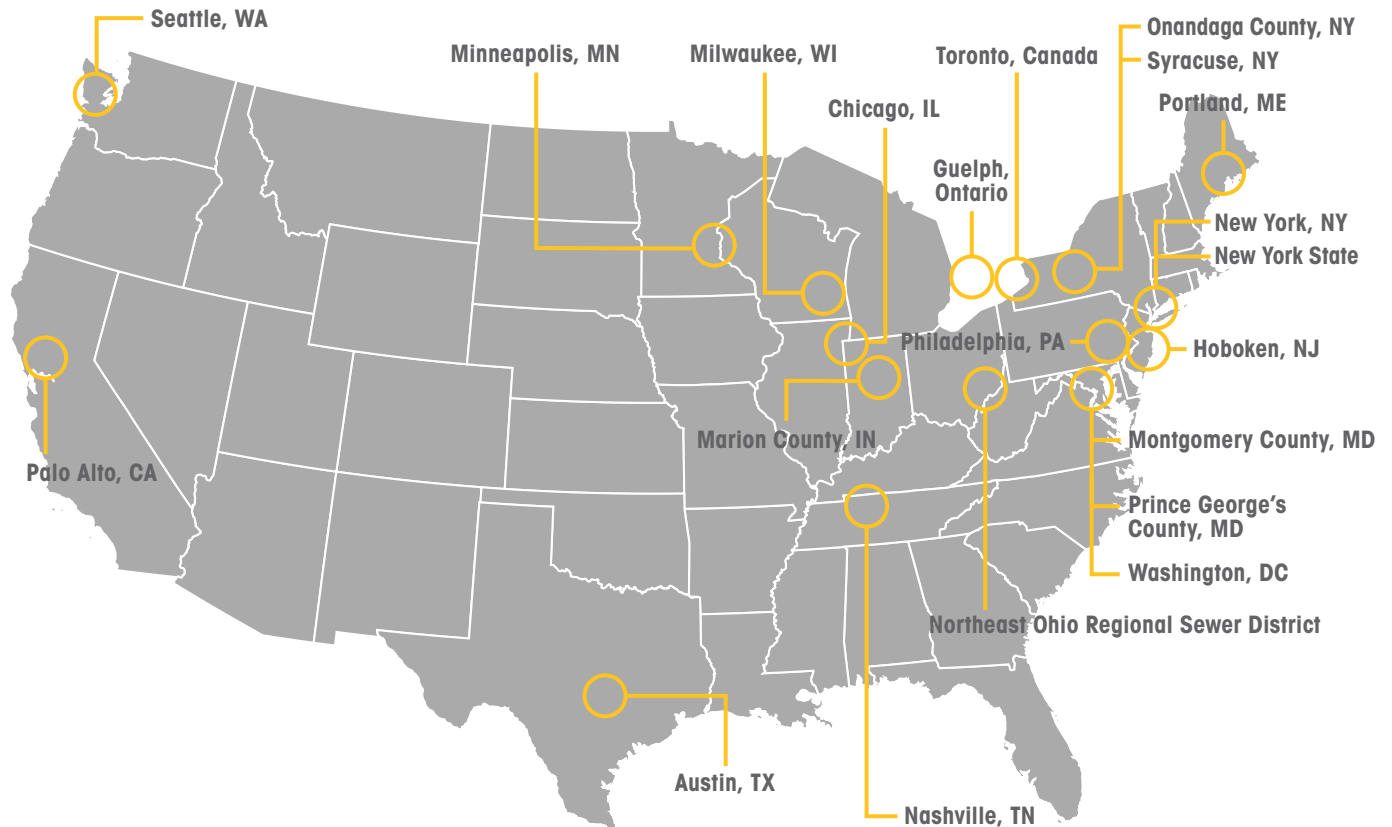
**Read more
about this
project.**

INCENTIVE PROGRAMS TO PROMOTE ROOF GARDENS

The map below indicates cities in the U.S. that are promoting the use of Roof Gardens through mandates, tax abatements and utility rebates. Note that these programs geographically align with the CSO map on page 5.



Scan here to view examples of Green Roof incentive policies in your city or state.



ROOF GARDEN WARRANTIES

Versico's Roof Garden Overburden Warranty

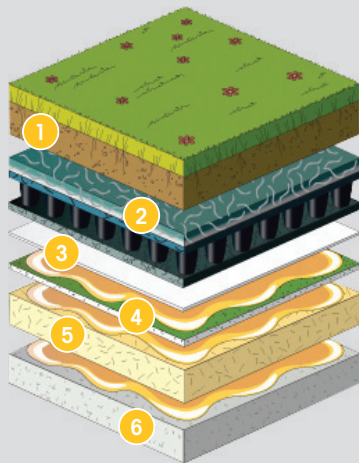
Versico's overburden warranty provides building owners with a single point of contact in the event of a leak and covers overburden removal, roof repair, and overburden replacement and remediation. Versico's industry-leading warranties are backed by a significant warranty reserve fund and a strong commitment to provide the labor and material to quickly resolve any issue.

Versico's Roof Garden Vegetation Warranty

Versico offers a 2-year vegetation warranty to ensure the proper establishment of plants and a minimum 50% coverage of vegetation within year one and 80% coverage by year two.

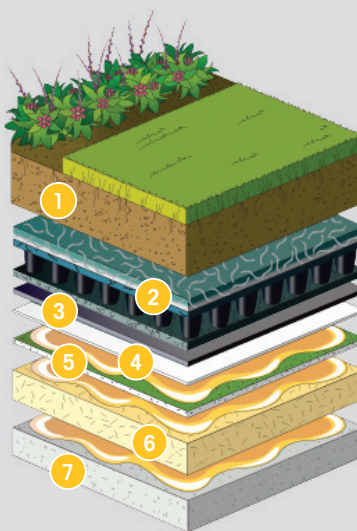
Versico's Traditional Roof Garden Assemblies

Versico's offers a broad array of traditional Roof Garden systems that incorporate a variety of waterproofing options with a full line of accessories to provide a high-performance system. This includes a range of membranes that carry up to a 20-year warranty, engineered growth media, and vegetation options.



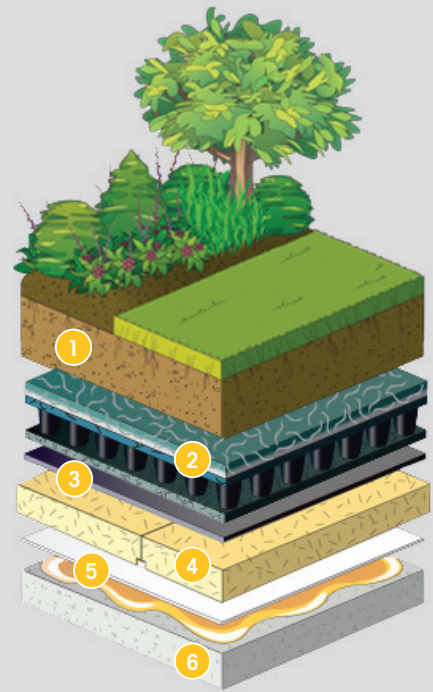
Extensive - Shallow Assembly

- 1 Growth Media – up to 5"
- 2 MiraDRAIN® G4
- 3 VersiGard EPDM, VersiWeld TPO, VersiFlex PVC and all VersiFleece membranes
- 4 ½" DensDeck™ Prime
- 5 Approved Insulation
- 6 Substrate



Intensive - Medium Assembly

- 1 Growth Media – over 5"
- 2 MiraDRAIN G4
- 3 40-mil Root Barrier
- 4 VersiGard EPDM, VersiWeld TPO, VersiFlex PVC and all VersiFleece membranes
- 5 ½" DensDeck Prime
- 6 Approved Insulation
- 7 Substrate



Intensive IRMA - Deep Assembly

- 1 Growth Media – over 5"
- 2 MiraDRAIN G4
- 3 40-mil Root Barrier
- 4 Expanded Polystyrene Insulation with drainage channels
- 5 VersiGard EPDM, VersiWeld TPO, VersiFlex PVC and all VersiFleece membranes
- 6 Substrate



A SINGLE SOURCE FOR SINGLE-PLY ROOFING
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