



NEXT GEN GREEN ROOFS AND ROOFTOP PARKS



Columbia Green Technologies offers the most innovative vegetated roof systems on the market. In addition to our green roof products, we are a complete amenity deck provider- offering pavers, pedestals, and foam. Our green roofs create beautiful, soothing views, improve our environment and help drive the 'green' and ESG economy.



BENEFITS OF A GREEN ROOF

Columbia Green's green roof systems decrease carbon emissions and building energy use, reduce the heat island effect and provide stormwater management. Green roofs soak up rain, decreasing runoff to prevent flooding in cities worldwide. Columbia Green is committed to creating a positive environmental and social impact, helping build vibrant healthy cities.

- Reduce and delay stormwater runoff, helping cities struggling with aging storm and sewer infrastructure. Green Roofs naturally soak up the rain and prevent flooding.
- Add plant biodiversity and provide habitat for pollinator species.
- Protects the roof membrane and at least doubles the life of the roof
- Bring year-round building energy savings - as a thermal blanket- providing cost savings on building's heating and cooling
- Green roofs reduce the air temperature through evapotranspiration, reducing the urban heat island effect
- Health & Wellness: Green roofs can help reduce stress, anxiety, depression by providing access to air, light, and nature

THE COLUMBIA GREEN COMPLETE PACKAGE

PAVERS • PEDESTALS • STYROFOAM™ • GEOFOAM • ROOT BARRIER • METAL EDGERS • SLOPED



Why Columbia Green?

- Comprehensive green roof solutions; from Extensive to Intensive
- USA Made Layered and Tray-based systems
- Amenity Decks and Rooftop Gardening
- Stormwater retention calculations custom to your unique project
- Systems meet LEED V4 and Living Building Challenge DECLARE approved

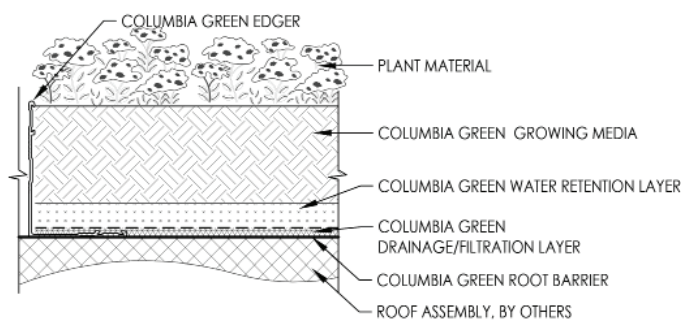
**COLUMBIA
GREEN**
TECHNOLOGIES
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LAYERED SYSTEM

Our Built-in-Place System for Extensive and Intensive

- » Columbia Green Growing Media, regionally blended
- » Soil depth flexibility: from 3-inch media depth (extensive) to 48-inches+ media depth (amenity decks).
- » Water Retention Layer, provides supplemental moisture retention for plants. Available in .5-inch or 1-inch thickness
- » Drainage Layer to prevent ponding and move excess water efficiently to the nearest drain. Available in .375-inch and .75-inch thickness
- » Metal Edger for perimeter stability.
- » Layered system sits on Columbia Green Rootbarrier



Layered System Detail

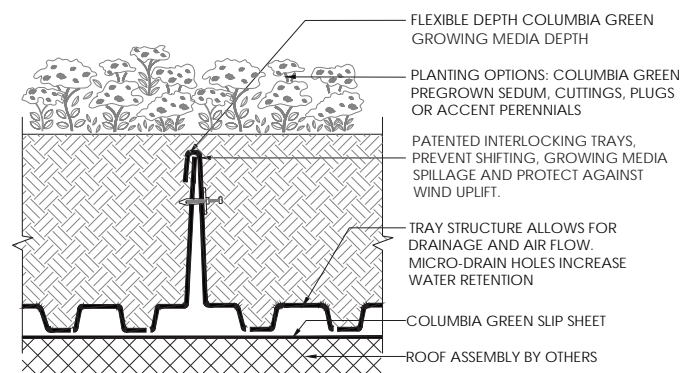
Declare.



TRAY SYSTEMS

Pre-Grown and Planted-in-Place (with optional drip irrigation)

- » Patented interlocking and overlapping tray design
- » Tray designed by landscape architects, stormwater engineers, horticulturists and roofing experts
- » Simple installation
- » Plants can be planted on-site or pregrown
- » Tray is designed to maximize stormwater retention
- » *Integrated drip irrigation* available
- » Tray sits on Columbia Green Slip-Sheet
- » Soil depth range 4-5/8 inches to 8-inches



Planted in Place System Detail

Pregrown Sedum



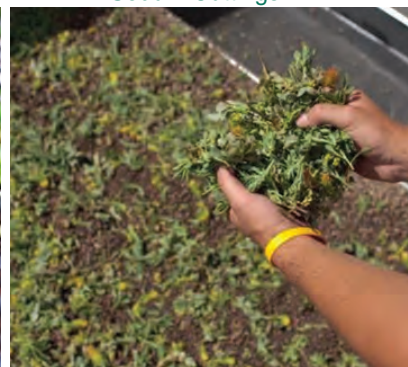
Perennials & Shrubs



Plugs



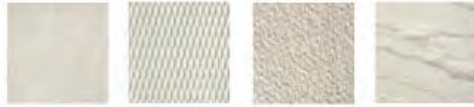
Sedum Cuttings



PLAZA DECK PAVERS

Ask us about our array of Paver and Pedestal options to fit every project.

Concrete



Wood



Porcelain



OUR TECHNICAL EXPERTISE & DESIGN SUPPORT

- Stormwater Retention Calculations
- Standard and Custom Details
- Specifications
- Regional Plants & Growing Media Expertise
- System Weight Calculations
- Wind Uplift
- Green roofs with Solar
- Budgetary Information
- Maintenance Guidelines

Contact Us:

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Offices in the Northeast, Mid-Atlantic, West and Midwest
www.columbia-green.com/contact-us

WARRANTIES

Standard Full System Warranty

Our systems come with a standard Full System Warranty with an optional Overburden Warranty.

Overburden Removal Warranty

Covering the cost of removing and replacing the green roof system, pavers, insulation, foam, and pedestals in the event of a roof leak.

FOAM AND INSULATION

Many options for lightweight rooftop structural fill and insulation: XPS Insulation, EPS Geofoam and NEW Recycled Foam Glass Aggregate- a lightweight, load-bearing 'gravel' used under landscape mounds, pavers and in planters.



EPS Geofoam



Recycled Foam Glass Aggregate
High Compressive Strength
Class 1A Rated
Provides Drainage



XPS Rigid Insulation



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GREEN**
TECHNOLOGIES