

What is a Green Roof and how can it Benefit You? A Vegetative / Green Roof is a living covering for a roof taking the place of metal, gravel ballast, asphalt, shingles or tiles.

A Vegetative / Green Roof can:

- Manage Storm Water Waste
- Produce Economic Incentive
- Reduce Urban Heat
- Create Habitat Space
- Provide Urban Agriculture
- Increase Therapeutic Value
- Reduce Interior Noise
- Provide Amenity Space
- Increase Property Value

Types of Vegetative / Green Roof Systems

- Modular Trays
- Tray Systems

Tray Systems are installed using planters that are arranged on the rooftop.



Types of Tray Systems:

- Plant-in-Place (Trays assembled and planted on the roof)
- Pre-Grown (Trays filled and grown prior to installation)

Pre-Grown (Trays filled and grown prior to installation):

- Roof deck, insulation, waterproofing
- Tray
- Irrigation
- Tray Edger
- Growing Media
- Plants, vegetation

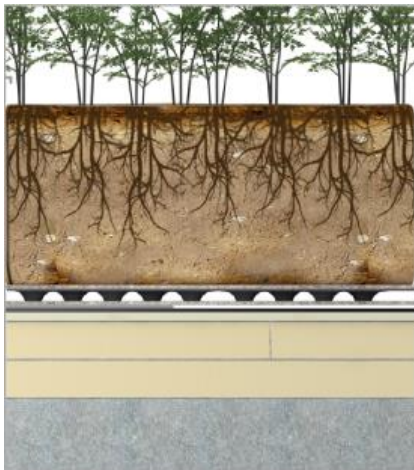
Benefits:

- Maximum storm water retention capability
- Mobility allows easy access to any potential future leaks or roofing changes
- Containment of the growing media without purchasing an additional barrier
- Ability to add trays in phases complementing a more strict budget
- Instant green roof by the capability to grow prior to installation

Layered Systems are installed on the roof itself without planters.

Types:

- Intensive
- Extensive
- Semi-Intensive



Components (moving up from the roof):

- Roof deck, insulation, waterproofing
- Protection and storage layer
- Drainage layer
- Root Permeable Filter Layer
- Growing Media
- Plants, vegetation

Benefits:

- More suitable for unique shaped rooftops than a Tray System
- Soil depth flexibility