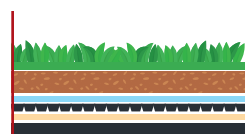


TECH TALK: GREEN ROOFS

TYPES OF GREEN ROOFS



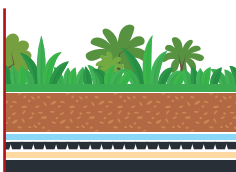
EXTENSIVE

- 17-35 lbs./ sq. ft.
- 3-6" soil depth
- Low-maintenance and low-growing plants covering large areas



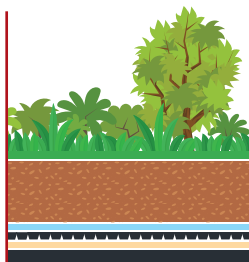
EXTENSIVE SLOPED

- Steeper slope that 3/12 should be fitted with erosion control
- Not recommended on a slope more than 22 degrees



SEMI-INTENSIVE

- 25-50 lbs./ sq. ft.
- 3-8" growing media
- More plant variety – including grasses, perennials, and succulents



INTENSIVE

- 25-200 lbs./ sq. ft.
- 8"+ growing media
- Larger plant variety – including trees and shrubs with public access in mind

CONSIDERATIONS FOR GREEN ROOFS

- ✓ Climate (regional rainfall and temperature)
- ✓ Strength/support of structure (roofdeck)
- ✓ Size, slope, height, and directional orientation of roof
- ✓ Type of underlying waterproofing
- ✓ Drainage elements (roof drains, gutters, downspouts, scuppers, etc.)
- ✓ Accessibility and intended use
- ✓ Compatibility with owner/architect's aesthetic needs
- ✓ Integration of other "green" components (solar, storm water management, daylight harvesting)
- ✓ Cost of labor and materials
- ✓ Sources of fundraising
- ✓ Accessories (curbs, hatch)

Benefits of Installing Green Roofs



Aesthetics



Reduced Urban Heat Island Effect



Improved Air Quality



Storm Water Management



Membrane Longevity



LEED Points

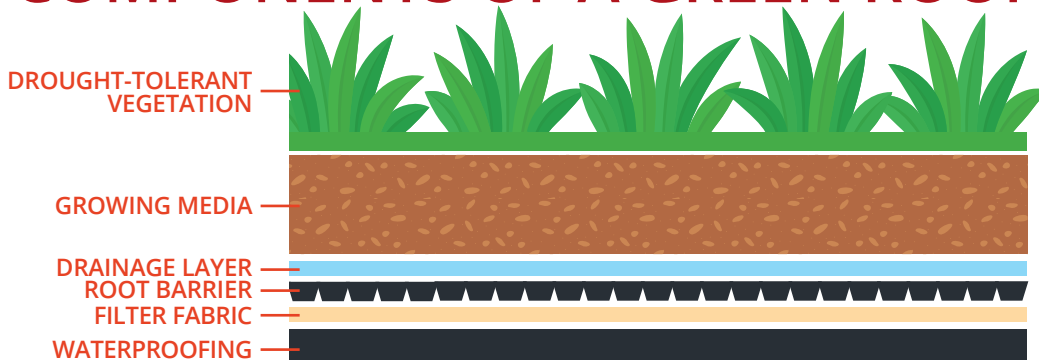


Energy Savings



Pollinator Habitat

COMPONENTS OF A GREEN ROOF



For more in-depth resources, visit the Education page on the NWiR website. To watch the complete webinar visit www.NationalWomeninRoofing.com/home/education/webinars/