FiberTite® Green
Seaman Corporation

Garden Roof Systems

Rooftop gardens originated in Europe centuries ago, and while Architect Frank Lloyd Wright experimented with them in the early 1900s, it wasn't until the 1980s that garden roofs became a cost-effective roofing option. Also known as garden roofs, these installations have grown to be a popular choice among environmentally conscious roofing specifiers, enriching the visual landscape and providing tremendous benefits to the environment.

Benefits of a Green Roof System:

ENVIRONMENTAL	**Stormwater Control** A rooftop garden can retain as much as 70 percent of rainfall, decreasing the risk of flooding and eliminating sewer and wastewater overflows. **Cleaner Air** Rooftop gardens re-oxygenate the air, while removing harmful toxins and pollutants. **Reduction in the Urban Heat Island Effect** Unlike dark roofs which attract heat, roof vegetation naturally dissipates heat and helps lower city temperatures.
AESTHETIC	**Quieter Work Environments** Sound is absorbed by soil and plants creating a natural noise barrier. **Additional Outdoor Space** Rooftop gardens make great areas for outdoor recreation and relaxation activities.
ECONOMIC	**Energy Efficiency** Green roofs provide thermal insulation, cutting down on utility costs. **Prolonged Roof Life** Rooftop garden installations extend the life of the waterproofing membrane by preventing temperature fluctuations.

Two Types of Green Roof

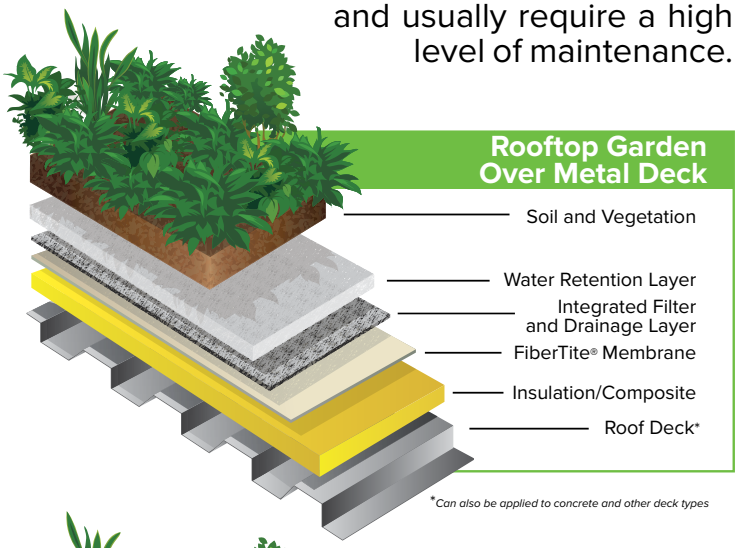
Green roofs can be divided into two basic categories, based on the type of vegetation required and the intended use of the space.

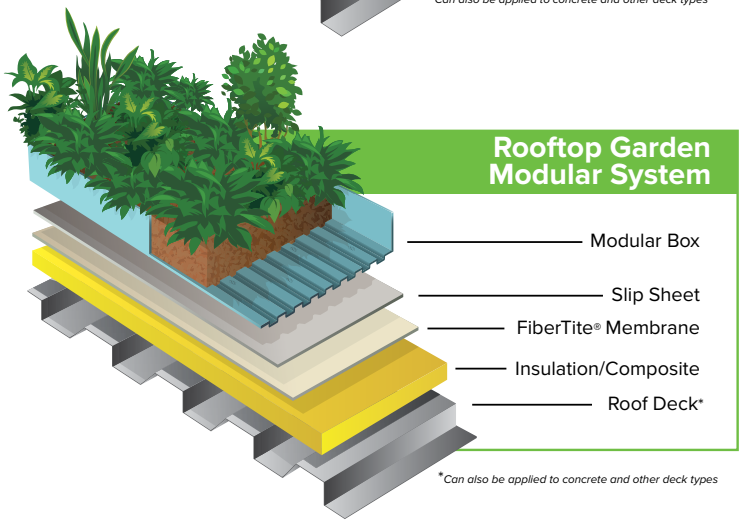
Extensive

Extensive green roofs require less than 6 inches of growth medium and cannot support larger plant life. These roof installations limit access for garden and roof-top equipment maintenance only and are not intended for regular foot traffic.

Intensive

Intensive rooftop gardens incorporate growth medium of 6 or more inches and can support trees, shrubs, gardens and walkways. These types of roofs are ideal for recreational purposes and usually require a high level of maintenance.





Why FiberTite®?

MAXIMUM SEAM STRENGTH

FiberTite membranes are made of a thermoplastic material that provides a molecularly welded seam that is 10 times stronger than a glued or taped seam.

BETTER RESISTANCE TO CHEMICALS

FiberTite's DuPont™ Elvaloy® compound base provides superior chemical resistance, making it ideal for garden applications where chemical fertilizers are a necessity.

INCREASED RESISTANCE TO MICROBES

Where there are plants, there are millions of microbes. FiberTite membranes meet ASTM test method G21 guidelines for microbe resistance.

PROVEN ROOT RESISTANCE

Made of high-strength, densely packed yarn, FiberTite has passed the FLL process as tested by the Research Institute of Geisenheim, the only current standard available.

UNIQUE TECHNOLOGY PLATFORM

For maximum puncture and tear strength, we start with a more densely packed polyester fabric as the foundation and add a unique adhesive coat that forms a molecular bond between the fabric and the outer coating, resulting in increased seam strength. We then add a unique DuPont™ Elvaloy® based compound for superior UV, and chemical resistance in addition to long-term flexibility.

For more information, or to contact a FiberTite Roofing specialist, go to
www.fibertite.com/green

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