

GREEN ROOF SYSTEM



Tray System

Product Data

FiberTite®/Green Tray provides a turnkey solution that meets or exceeds all guidelines for Green-Roofs. The system is easy to install, providing the building owner with a quick way to turn any new or existing roof into an environmentally friendly and aesthetically pleasing vegetative roof system. The Tray's unique patented design allows for either pre-grown or post-planting on the roof. Along with easy, low cost maintenance, the FiberTite/Green Tray system can contribute to a building's LEED Certification by the USGBC (United States Green Building Council).

DESCRIPTION

GENERAL

Comprised of a heavy duty recycled polypropylene, the FiberTite/Green Tray is designed to be easily placed directly on top of almost any roofing membrane system. The channelized bottom allows metered drainage for use as a stormwater management system in tandem with Best Management Practice (BMP) for Low Impact Development (LID) applications; while the upper injection molded orifices enable airflow and overflow drainage while inhibiting roots from penetrating the roofing system. The optional Drip Irrigation System contains a grid of low pressure tube lines placed in the trays and connected to a water source. When the tray system is not covered with growing media and plants, ballast rock may be used. The FiberTite/Green Tray is intended to be used in extensive and semi-intensive vegetative roof system profiles. Growing media depths range from 4.625" (pre-grown) to a maximum of 8" (post-planted) without modification; typical post planting depth in 5.25" overall.

INSTALLATION

1. Prior to installation it is the Project Representative's responsibility to determine whether the structure is adequately reinforced to withstand the added weight of a fully saturated vegetative tray. This decision should be completed with the aid of a registered structural engineer.
2. Perform tray installation only after a representative from the roofing membrane manufacturer has inspected the membrane and found it to be in accordance with the membrane manufacture's Specifications.
3. Place the vegetative trays directly on the roofing membrane or protective layer as determined by the membrane manufacture.
4. Using the interlocking sides, overlap the vegetative trays.
5. Secure the trays to each other using the removable pin fastener. Place hooks with pins when irrigation is specified.
6. Place optional irrigation system. (See FiberTite/Green Tray System Irrigation Technical Information Sheet for more information)
7. Add growing media to a depth in accordance with the design plans and specifications. Depths range from 5-1/4 to 8 inches.
8. Add vegetative cover. * Fully saturate growing media when sedum tiles or mats are to be installed.*
9. After all trays have been installed sufficiently irrigate plant material to ensure growth.

PHYSICAL PROPERTIES

System Depth	Dry Weight	Saturated Weight	Typical Field Weight
5.25" Media Depth	14 lbs./ft ²	26 lbs./ft ²	20 lbs./ft ²

PACKAGING /COMPONENT SIZE:

	0.5 Water Retention Layer
Thickness	100 mil
Dimension	24"W x 24"L x 4.625"
Coverage	4 ft ²
Weight	6.3oz./yd ² (.70oz./ft ²)
Packaging	Stacked - 400 trays/pallet

STORAGE

- Store components in a dry area.
- Store away from sources of ignition and extremely high temperatures.

PRECAUTIONS

- Confirm with a certified Structural Engineer that the structure can support the saturated weight of the vegetative roof system.
- To facilitate drainage a minimum roof slope of 1/8" in 12" min. must be provided.
- Typical installation of Vegetative Roofing Trays is between April 1 and November 1. It is advised that system components not be installed when the weather is below 45 °F (7.2 °C) or above 95 °F (35 °C).
- Do not drag modules into position.
- Use caution when lifting trays.
- Check roof drains regularly to ensure there are no obstructions to impede water flow.
- Wash exposed skin prior to eating, drinking or smoking and at the end of each shift.
- Wear impermeable protective clothing, eye wear and self-contained breathing apparatus when cutting trays.

LEED COMPLIANCE

Post-Consumer Recycled Content:
FiberTite/Green Tray 88%
Manufacturing Location:
Washougal, WA, USA



INTELLIGENT
ROOFING SOLUTIONS

For more information on FiberTite Systems and accessories please call:
Seaman Corporation (800) 927-8578
International (330) 262-1111
www.fibertite.com

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