

ROOF GARDEN

Roofing Systems



Hydropack® Roof Garden System
INTEGRATED | PRE-VEGETATED | MODULAR

Carlisle's Hydropack Roof Garden System

Carlisle's Hydropack Roof Garden system offers contractors and building owners with a high-quality, easy-to-install system that combines the benefits of a traditional Roof Garden and the ease of a modular system.

Benefits

- » Building owners receive single-source warranty coverage
- » Two-week lead time for modules with standard plant mix
- » Modules are pre-vegetated upon arrival at the jobsite
- » Modules can be easily removed for modifications or roof repairs
- » At only 22 lbs/sq ft fully saturated, Hydropack modules are one of the lightest Roof Garden options on the market

Features

Dimensions per unit:	2' x 1.3' x 4" (60 cm x 40 cm x 10 cm)
Tray material:	Black 100% recycled HDPE
Filter fabric type:	Non-woven 3 oz/sq (100 g/m ²)
Maximum water retention capacity:	0.83 gal/sq ft (34 L/m ²) 1.3" rainfall
Number of drainage holes:	47 holes/sq ft (500 holes/m ²)
Dry weight:	15 lbs/sq ft (75 kg/m ²)
Saturated weight:	22 lbs/sq ft (108 kg/m ²)
Installation time:	Approximately 860 sq ft/day/person



HYDROPACK ADVANTAGES

Hydropack combines the ease of a modular system with many of the advantages of a traditional system. Featuring a dedicated aggregate drainage layer, filter fabric, and FLL-compliant growth media, Hydropack modules lock together, allowing plants to share moisture and nutrients and facilitating easy removal, if necessary.

STORMWATER MANAGEMENT

Roof Gardens help to alleviate stormwater runoff through absorption and retention of precipitation. The Hydropack system is designed to maximize stormwater retention using an intelligent reservoir system. The reservoirs contain expanded aggregates that allow wicking of stored stormwater to the plants' root systems.

EXTENDS ROOF LIFE

Hydropack modules protect roof membranes from ultraviolet radiation, extreme temperature fluctuations, punctures, and other physical damage, which can improve the long-term performance of the roofing system.

ADDED AESTHETIC VALUE

Hydropack Roof Garden systems provide visually pleasing landscapes in urban environments and add value by converting unused rooftops into amenity space for building occupants.

MAINTENANCE

Low-maintenance Hydropack modules arrive at the jobsite fully vegetated with established plantings. Maintenance requirements vary based on the system installed: Carlisle can help develop project-specific maintenance plans.



Standard Plantings

- » Sedum Album
- » Sedum Reflexum
- » Blue Spruce
- » Sedum Sexangulare
- » Sedum Rupestre Angelina
- » Sedum Ellacombianum
- » Sedum John Creech
- » Sedum Kamtaticum
- » Sedum Spurium
- » Chives
- » Thyme
- » Custom plant mixes available upon request (additional lead time required)



PRODUCT AVAILABILITY, PACKAGING, AND LOGISTICS

Hydropack modules are pre-grown for at least a year prior to shipment, providing a fully vegetated product with a two-week lead time for standard plant mixes. The modules are shipped on a flatbed truck containing up to 3,100 square feet of product, and arrive on pallets that are easy for the contractor to handle and raise to the roof. A logistics manager will be available for the duration of the project to set delivery times and provide installation information and support.



CONTINUOUS SUPPORT

Carlisle can assist with all aspects of a project, including design, installation, and maintenance, and can provide contractor training prior to installation if necessary. After the project is complete, Carlisle will be available to answer questions or address any concerns.



EXPERIENCE THE CARLISLE DIFFERENCE



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