

C A R L I S L E   R O O F   G A R D E N   S Y S T E M S

ROOFGARDEN<sup>®</sup>



Carlisle SynTec

[www.CarlisleRoofGardens.com](http://www.CarlisleRoofGardens.com)

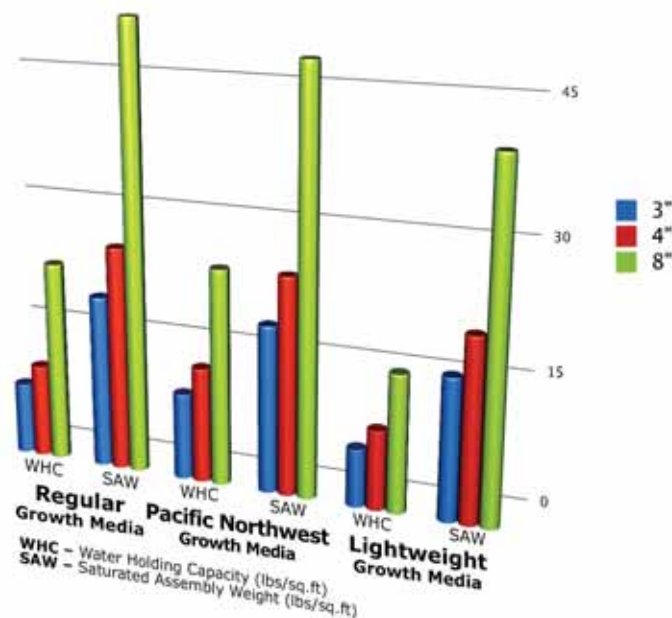


# CARLISLE'S RoofGARDEN

For more than 45 years, Carlisle's products have set the standard for quality and performance in the commercial roofing industry. Carlisle repeatedly raises the bar through steady development and continuous introduction of innovative new products and technologies. The Carlisle Roof Garden line is no different, providing architects and building owners a huge selection of vegetative roofing options. With these systems, Carlisle offers an unparalleled variety of single-source roof garden solutions that provide numerous benefits, including:

- Improved stormwater management
- Increased air and water purification
- Superior sound insulation
- Energy efficiency
- Beautiful, usable building space
- Possible federal, state and local tax incentives
- Significantly extended roof life

## Cumulative Water Retention in a Carlisle Roof Garden System (Per Sq. Ft.)



A 10,000 square foot, 4" deep Carlisle Roof Garden can retain up to 13,000 gallons of rainwater





# Carlisle's Roof Garden Advantage



## Carlisle Roof Garden Growth Media

Carlisle Roof Garden Growth Media is a FLL-Compliant blend of carefully selected materials that are optimized for use with roof gardens. Made from lightweight and water-absorbing components, Carlisle Roof Garden Growth Media supports all species of roof garden plants with minimum maintenance.

## CCW MiraDRAIN® G4 Drainage Composite

CCW MiraDRAIN® G4 Drainage Composite combines a filter fabric, moisture retention mat, high-strength drainage core and protection fabric into one easy-to-use product. MiraDRAIN® G4 reduces installation costs and increases system performance. In shallow assemblies, one layer of MiraDRAIN® G4 is the only component required between the roof membrane and Growth Media.



## Carlisle Roof Garden Metal Edge and Drain Box

Carlisle Roof Garden Metal Edge and Drain Box are excellent for retaining growth media while allowing adequate drainage. Carlisle's completely aluminum design provides superior resistance to rust and corrosion.

## Carlisle Vegetated Sedum Tiles

Carlisle Vegetated Sedum Tiles offer full vegetative coverage on the day of installation. Placed over at least 2.5" of Carlisle Roof Garden Growth Media, Carlisle Vegetated Sedum Tiles sparkle with multiple varieties of sedum, leaving you with immediate beauty and minimal maintenance.



## Carlisle Roof Garden System Warranty

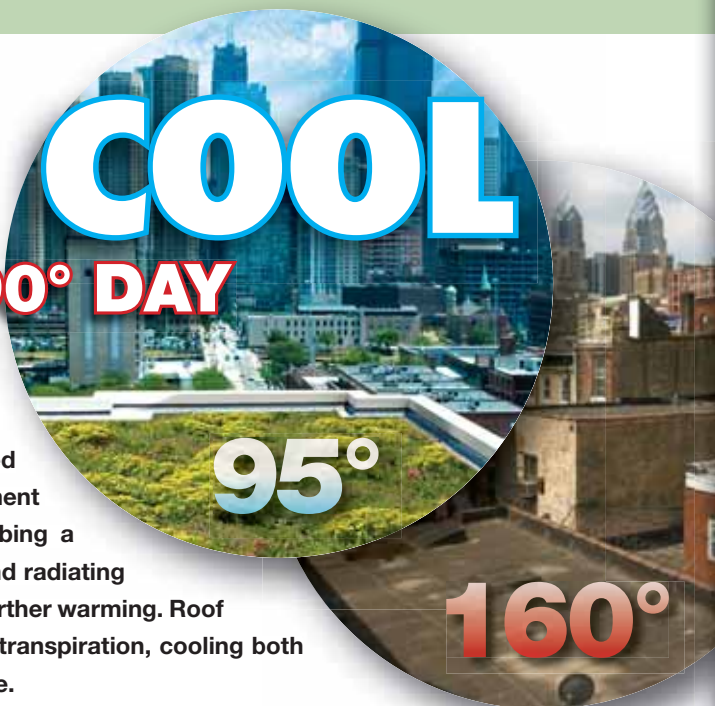
Carlisle Roof Garden System Warranty provides a single-source warranty for all components of the roof garden assembly, ensuring optimal performance.

# KEEP COOL

ON A 90° DAY

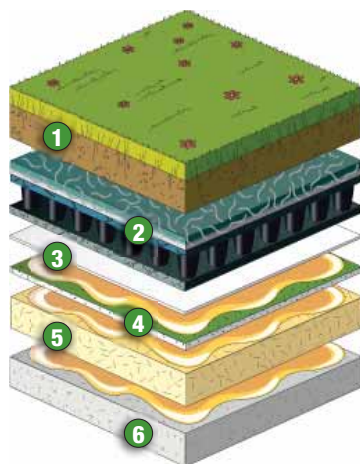
### Reduces Heat Island Effects

Heat islands can occur in large cities where much of the vegetation has been replaced with roads and structures. Urban development can actually alter weather patterns, absorbing a significant amount of heat during the day and radiating it back into the atmosphere, which causes further warming. Roof Gardens keep these buildings cool through transpiration, cooling both the building and the surrounding atmosphere.



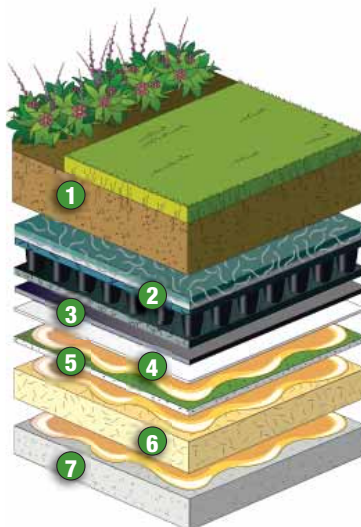
# Carlisle's Traditional Roof Garden Assemblies

Carlisle offers a broad array of traditional Roof Garden Systems that incorporate a variety of waterproofing options with a full line of accessories to provide a high performance system. This includes a range of membranes that carry up to a 20-year warranty, engineered growth media and vegetation options.



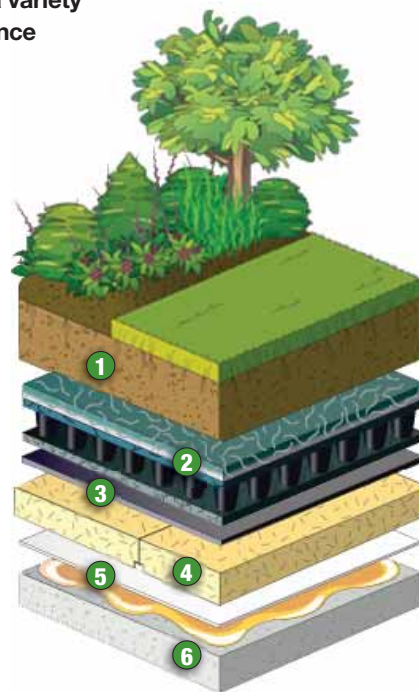
## Shallow Assembly

1. Growth Media
2. MiraDRAIN® G4
3. Sure-Seal® EPDM or Sure-Weld® TPO Adhered Membrane
4. 1/2" DensDeck™ Prime
5. Approved Insulation
6. Substrate



## Medium Assembly

1. Growth Media
2. MiraDRAIN® G4
3. 40-mil Root Barrier
4. Sure-Seal® EPDM or Sure-Weld® TPO Adhered Membrane
5. 1/2" DensDeck Prime
6. Approved Insulation
7. Substrate



## Deep Assembly

1. Growth Media
2. MiraDRAIN® G4
3. 40-mil Root Barrier
4. Expanded Polystyrene Insulation with Drainage Channels
5. Sure-Seal® EPDM or Sure-Weld® TPO Adhered FleeceBACK® Membrane
6. Substrate

## Roof Garden Warranties

### Carlisle Roof Garden Overburden Warranty

Carlisle offers up to a 20-year overburden removal warranty covering the removal and replacement of the roof garden components if there is a need to investigate for a leak.

### Carlisle Roof Garden Vegetation Warranty

Carlisle offers a 2-year vegetation warranty to ensure the proper establishment of plants and a minimum 50% coverage of vegetation within year one and 80% coverage by year two.



### Investing in Roofing Solutions for Over 45 Years

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