



ECO-\$MART GREEN ROOFS

Eco-\$mart Green Roofs are professionally installed and maintained to realize and optimize the economic and ecological benefits of a vegetated roof.

Three basic types of Green Roof Systems are extensive, extensive with slope, and intensive. They are differentiated primarily by cost, depth of growing medium and choice of plants. Each individual green roof will be different and will often be a combination of both intensive and extensive systems.

Extensive

This lightweight green roof system is comprised of organic and inorganic growth media and specially selected hardy, low-maintenance plants. An extensive green roof is primarily implemented for environmental and economic purposes and typically adds a weight of only 16 – 35 lbs / sq ft when fully saturated. After installation, planting, and regular maintenance the first year, ongoing care typically consists of periodically weeding invasive plant species and conducting safety and membrane inspections.

Extensive with Slope

The basic specifications of this type of roof is similar in scope to the Extensive green roof as outlined above. However, because of the slope, this green roof system adds more visual impact than other types. The installation is more complex and demands the expertise and attention that only professional installation and maintenance can provide.

Intensive

An intensive green roof is usually specified when the green roof goals are aesthetic, versus simply economic, in nature. An intensive green roof allows for a wider variety of plants, including shrubs and trees, and requires a deeper growth media which will increase weight and structural requirements.

Example of a Green Roof Installation

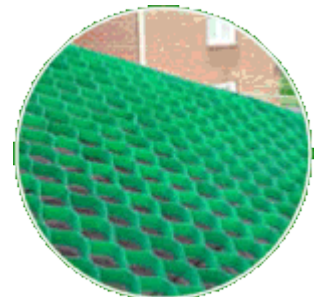
Extensive Slope



Water Proof Membrane



Filter Mat and Drainage Layer



Growth Media



Planted Seedlings



Thriving Planted Roof





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Eco-\$mart Green Roofs are specifically designed for each application with growing media and plants chosen for your unique growing environment.

Growth Media

The Green Roof growth media is a custom-blended soil substance engineered to create the perfect growing environment for your green roof system. With different moisture content, water retention, and drainage capabilities, the growth media is designed to be lightweight so there is no unnecessary structural burden to your roof. By providing the most efficient and nutrient-rich environment for your plantings, the Green Roof growth media will ensure the best possible success of your plants, whatever your climate or conditions.

Plants

Depending upon climate and other green roof variables, including wind, light, and temperature, there are a variety of plants that will suit many different situations, and most are hardy and easy to grow. Your Green Roof design team will specially pick a variety of plants best suited to thrive in your green roof environment. Sedum plants are often specified for their hardy succulent character, and variety of styles and sizes. Sedum, commonly called Stonecrop, are widely distributed throughout the Northern Hemisphere. Sedum varieties will suit many different situations and vary from region to region.



Maintenance

Maintenance is vitally important to your green roof. Regardless of your green roof maintenance specifications, Green Roof installers specialize in preventive maintenance and providing your plants with the care and nurturing they need to ensure a thriving green roof. Whether your green roof requires ongoing care and irrigation, or once a year weeding, the Green Roof professionals will work to ensure the best possible success of your green roof, whatever your climate.



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