



Barrett Company

Vegetation

While a wide variety of plants are suitable for Green Roof Roofscapes selection, local climatic conditions and indigenous vegetation will dictate the best plant selection. Plants from alpine or desert climates are generally most suitable.

Plants should exhibit:

- shallow root structure
- resistance to drought conditions
- resistance to temperature extremes including frost and extended periods of direct sunlight
- self-sustaining property of regeneration

Most commonly used plants are;

- Succulents
- Sedum
- Sempervivum
- Creeping Thyme
- Allium
- Phloxes
- Anntenaria
- Armeria
- Aubrieta

High Profile Roofscapes must take into consideration additional weight, wind shear systems and additional maintenance.

Vegetation considerations include:

- Strong Root System Anchorage
- Positive Reactivity to Direct Sunlight
- Drought Resistance
- Wind Resistance
- Low Maintenance Requirements
- Local Climate Conditions
- Effects of desirable and undesirable Wildlife Habitat

Plant plugs with fully established root systems will quickly spread their roots horizontally to form a dense root vegetation mat within a few growing seasons. Plant plugs have an approximate survival rate of 80%.

Plant cutting, most often sedums, need twice as long to establish roots to hold the soil and prevent erosion. Initial cost is less. Survival rate is approximately 50%.

It is advisable to apply native grass seeds as it sprouts quickly and will stabilize the soil until the plants become established.

Thoroughly water plants weekly for six months or until established.

Occasional fertilizing with slow release fertilizer will prevent acidification.

“Green Roof Roofscapes Low Profile Partial Plant List” is attached

A Landscape Architect or a horticulturist should be consulted to provide advise specific to the site location and conditions.