

RoofTop Proven™ Green Roof Mixes & Green Roof Plants

2013



Intermountain Roofscape Supply 56 Gornick Lane, Whitehall, Mt. 59759 Phone 406-490-7844. Liveroofmontana@yahoo.com. www.intermountainroofscapes.com





Flexible. Proven.



Convenient.

Pre-vegetated Modules

Convenient.

LiveRoof[®] green roof modules can be preplanted with a vast array of plants to meet the needs of your climate and design considerations.

Proven.

For your convenience, LiveRoof® offers integrated assortments using compatible colors and textures. These carefree brand mixes were developed and have proven effective in the midwest.

Flexible.

We value your individual creativity and encourage you to develop your own custom mix of LiveRoof[®] plants to complement the color scheme and architecture of your building.

RoofTop Proven[™] Plants

RoofTop Proven[™] means that we have actually tested these plants for effectiveness in rooftop conditions. A green roof presents a number of environmental challenges that do not exist in typical landscape settings, and we have found that it is an incorrect assumption that good landscape plants make good green roof plants. Some do, and others don't. This is because rooftops are subject to heating from below the roof deck, from unique wind and cold issues, and from heat, drought, and light issues that are especially harsh.

Rest assured that when you specify RoofTop Proven[™] plants, you are getting the best possible selections for the uniquely harsh conditions imposed by the rooftop planting environment.

LiveRoof[®] Convenient. Proven.

What Plants Work?

The LiveRoof Standard and LiveRoof Lite systems are "Extensive" green roof systems. In other words, their soil depth is less than 6 inches. And, while extensive green roof systems optimize evaporative cooling and storm water management (in part because they can dry down between rain events), their shallow substrate depth means that the plants they can support must be extraordinary at resisting drought. Practically speaking, the plants that work best in "extensive" green roofs must be exceptional "water conservers" as opposed to "water sourcers". Note: Plants for the LiveRoof Deep and Maxx Systems are discussed in the last section of this catalog.

Water conservers are plants that store copious amounts of water in their fleshy stems and leaves. Cacti are the poster children for "water conservers". They absorb water when available, and conserve it by closing their leaf pores during the day. Their leaves and stems also have a waxy cuticle, and relatively little surface area. Water sourcers, on the other hand, are plants that have extensive and deep root systems and go deep into the earth to find water. Good examples of "water sourcers" are prairie plants such as little bluestem, purple coneflower, and prairie dock.

Recommended Plants – Accent & Base Plants

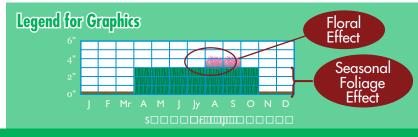
The LiveRoof system is typically vegetated with a palette of deciduous, semievergreen and evergreen "base mix" and "accent **plants**" (see tabbed sections of catalog) that are exceptional "water conservers". These are succulent, water-holding plants like Sedums, Alliums, Sempervivums, Euphorbias, Delospermas, and perhaps a few others. The best LiveRoof plants both store water and have a special type of metabolism called Crassulacean Acid Metabolism, CAM for short. CAM plants are unique in that under drought conditions their stomates (leaf pores) are open at night rather than during the day (as is the case with most plants). CAM plants exchange gasses (oxygen and carbon dioxide) in the dark when it is cooler and less windy and therefore conserve water. Practically speaking, CAM plants are up to ten times more efficient with water conservation than non-CAM plants.

Can Native Plants Be Used?

While it is popular to say that native plants are better adapted because they evolved here, this notion is not necessarily true. A plant's toughness or suitability is dependent upon genetics and ecological and environmental adaptation (evolving with time and exposure). There is nothing magical about latitude and longitude as there may be similar or more demanding environmental conditions on the other side of the globe. In reality some native plants are tough, some aren't, and a few will grow in an "extensive" green roof without frequent irrigation. The list, however, is quite short as the native ecosystem parallel would be a giant rock covered in 2 1/2 to 4 inches of gravelly soil with loads of reflected light from bordering rocks. Such "real world" parallels are few and far between.

Even though there is not a long list of native plants for use in extensive green roofs (unless you plan to frequently irrigate), there are a few to choose from. Such species as Sedum ternatum (white flowered sedum, a shade lover), Opuntia humifusa (prickly pear cactus), and Allium cernuum (nodding onion) are such plants. Of course, with regular and frequent irrigation, many others can be sustained, and plants that fall into this category include purple coneflower (Echinacea pallida) and little bluestem (Schizachyrium scoparium). These plants are very drought resistant in conventional landscape settings because they are great "water sourcers". On a rooftop with 4 inches of soil, however, they won't survive for long unless regularly irrigated.

Note: Plant heights listed in this catalog are typical for extensive green roofs with moderate fertility and little supplemental irrigation. The same plants may be 50% to 100% taller in a rich soil garden setting.



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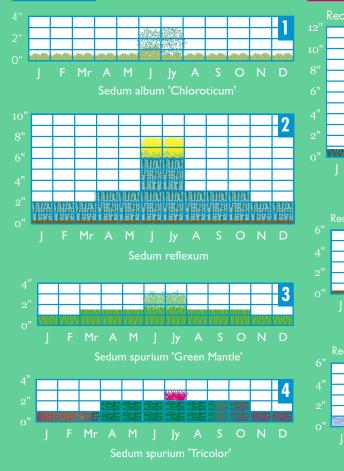
RoofTop Proven[™] Aquamarine Mix[®] Specifications

RoofTop Proven[™] Blue Sky Mix[™] Specifications

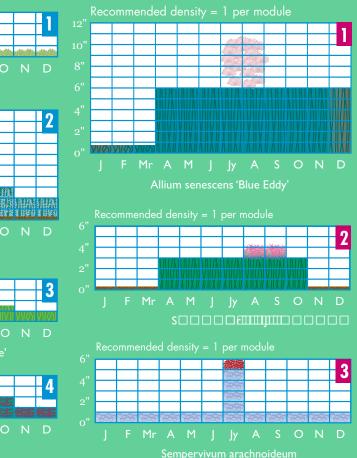




Base Plants



Accent Plants



Design Intent: Low

maintenance. Blue and

green toned foliage with

• Foliage: Cool blue

• Flowers: Pastel pinks,

whites, yellow, red and

and green tones.

mauve.

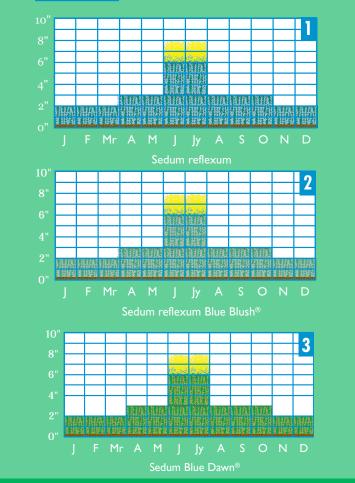
pastel floral palette.

Design Intent: Low maintenance, blue tones for soft accent or contrast.

- Foliage: Both evergreen and deciduous, shades of blue.
- Flowers: Bright yellows and soft pink.



Base Plants



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Accent Plants









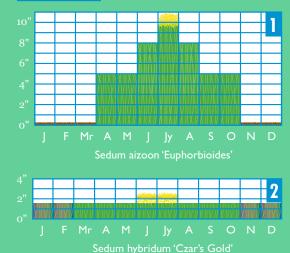
RoofTop Proven[™] Bold and Rugged Mix[™] Specifications

RoofTop Proven[™] Classic Mix[™] Specifications



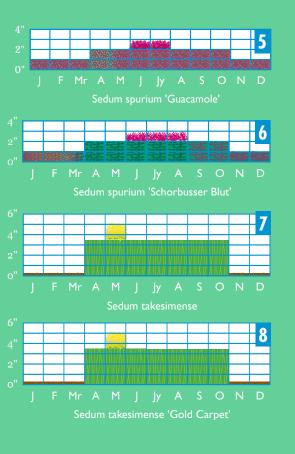


Base Plants





J F Mr A M J Jy A S O N Sedum spurium 'Green Mantle'



Design Intent: Big and bold textured foliage.

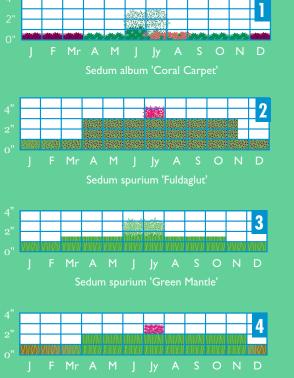
- Foliage: Evergreen and deciduous, midgreen tones, coarse textures.
- Flowers: Bright yellows, pinks, and reds spring to fall.

Design Intent: Low maintenance. Strong, rich feel, bold texture.

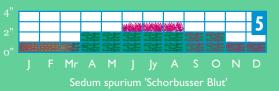
- Foliage: Evergreen and Deciduous, greens and reds, medium to coarse textured.
- Flowers: Palette of yellow, white and pink.



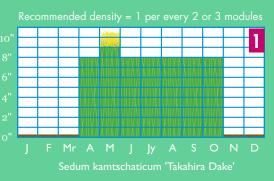
Base Plants



Sedum spurium 'Royal Pink











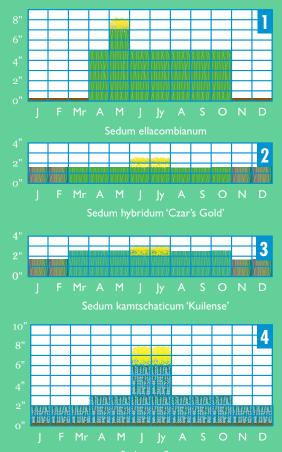
RoofTop Proven[™] Cold X-Treme Mix[™] Specifications

RoofTop Proven[™] Eclectic Mix[®] Specifications





Base Plants





edum kamtschaticum 'Takahira Dake'

Design Intent: Survival on tall buildings, in the harshest cold, handsome appearance too.

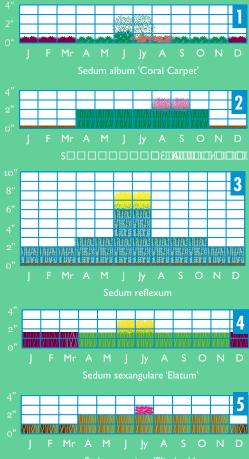
- Foliage: Evergreen and deciduous, 12 month aesthetics.
- Flowers: Bright whites, yellows, and pinks.

Design Intent: Low maintenance. Vibrant energizing color palette.

- Foliage: Evergreen and Deciduous, varying textures with bold color splashes.
- Flowers: Bright array of yellow, white, and pink.



Base Plants



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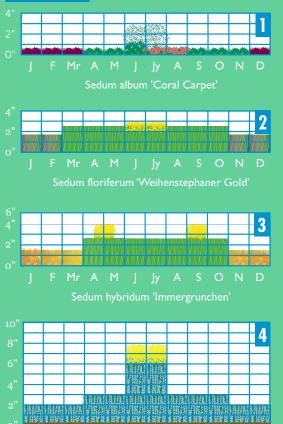
RoofTop Proven[™] Evergreen Mix[™] Specifications

RoofTop Proven[™] Floral Pink Mix[™] Specifications





Base Plants



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Sedum rupestre 'Angelina'

Design Intent: Low

• Foliage: Mostly

Evergreen, boldly

contrasting green,

Flowers: Vibrant

pink hues.

yellow and red hues.

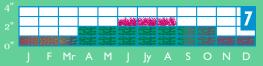
yellow, red, white and

palette.

maintenance. Bold color

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Sedum sexangulare 'Elatum'



Sedum spurium 'Dragon's Blood'

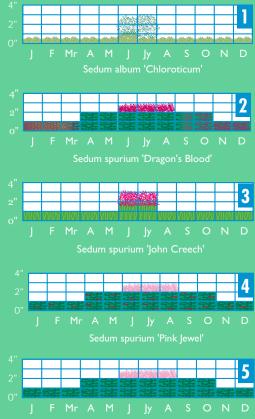


Design Intent: Low maintenance, green foliage with pink summer borne flowers.

- Foliage: Evergreen and deciduous, midgreen tone.
- Flowers: Varying shades of pink for a distinctively pink summertimeappearance.



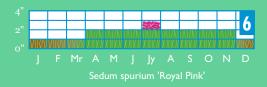
Base Plants



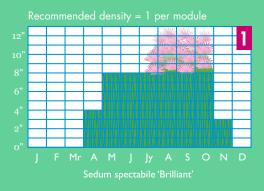
Sedum spurium 'Roseum'

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Accent Plants





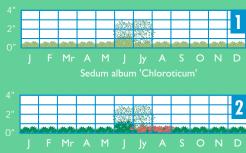


RoofTop Proven[™] Floral White Mix[™] Specifications

RoofTop Proven[™] Floral Yellow Mix[™] Specifications



Base Plants



Sedum album 'Green Ice'

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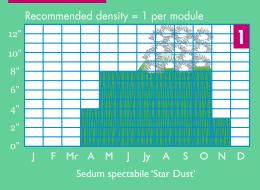
Sedum spurium 'Album Superbum'

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Sedum spurium 'Green Mantle

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Accent Plants



Design Intent: Low

foliage with flowers spring

• Foliage: Evergreen and deciduous, midgreen

• Flowers: Bright white

spring and summer.

maintenance, green

and summer.

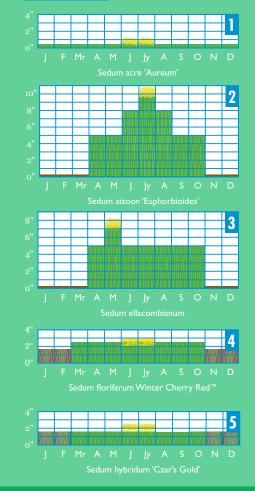
tone.

Design Intent: Low maintenance, green foliage with yellow flowers spring and summer.

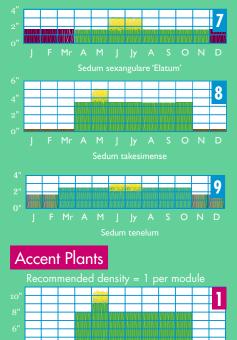
- Foliage: Evergreen and deciduous, midgreen tone.
- Flowers: Bright yellow spring and summer.



Base Plants







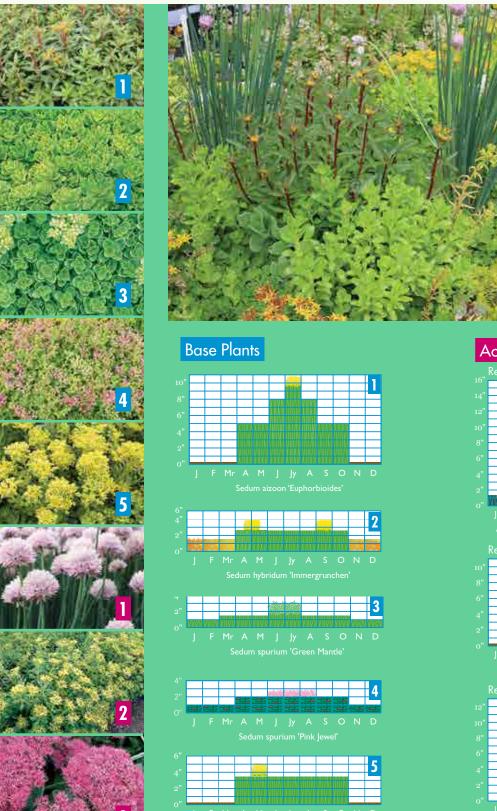


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RoofTop Proven[™] Giants Mix[™] Specifications

RoofTop Proven[™] Greenfast Mix[™] Specifications



Design Intent: Tallest of the plants for extensive green roofs.

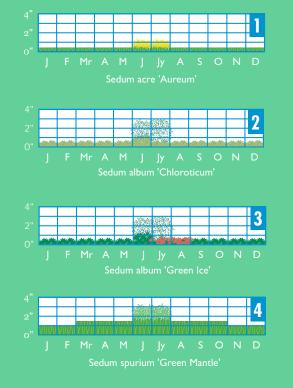
- Foliage: Tall, big and brassy, evergreen and deciduous, 12 month aesthetics.
- Flowers: Bright whites, yellows, and pinks.

Design Intent: Low maintenance, mid green tone spring, summer, fall, and winter.

- Foliage: Evergreen and deciduous, green all year long.
- Flowers: Bright whites, yellows, and pink.

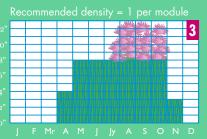


Base Plants



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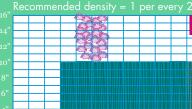


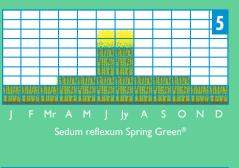
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Accent Plants















RoofTop Proven[™] Heather Mix[®] Specifications

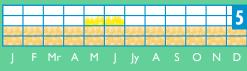
RoofTop Proven[™] Lemon Zest Mix[™] Specifications



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Sedum reflexum Moonshadow®







RoofTop Proven[™] Mahogany Mix[™] Specifications

RoofTop Proven[™] Merlot Mix[™] Specifications

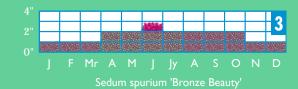




Base Plants



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- Foliage: Rich bronzemahogany, evergreen and deciduous foliage.
- Flowers: Complementary yellow and rich pinks.

Design Intent: Low maintenance. Deep redmerlot for richness and high contrast against bands of light green or yellow.

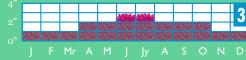
- Foliage: Deep reds, evergreen and deciduous.
- Flowers: Clear white and assorted pink hues.



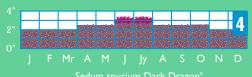
Base Plants



Sedum album 'Hillbrandtii'



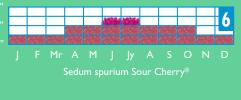
Sedum spurium Cherry Blast[®]



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RoofTop Proven[™] Modern Mix[™] Specifications

RoofTop Proven[™] Red & Yellow Mix[™] Specifications

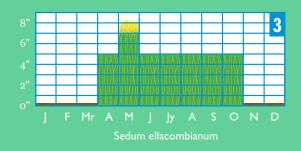




Base Plants







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Design Intent: Low

maintenance. Vibrant

energizing color palette.

• Foliage: Evergreen and Deciduous, varying

textures, mostly green

with yellow and coral

• Flowers: Bright array

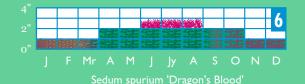
of yellow, white, and

highlights.

pink.

Sedum floriferum 'Weihenstephaner Gold'

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Design Intent: Low maintenance. High contrast between rich red and bright yellow tones

- Foliage: Both evergreen and deciduous, deep red and bright yellow colors.
- Flowers: Clear white, vibrant pink, and clear yellow.

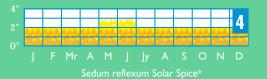


Base Plants



















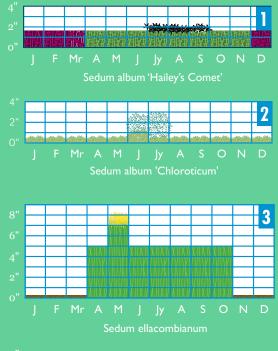


RoofTop Proven[™] Rustic Mix[®] Specifications

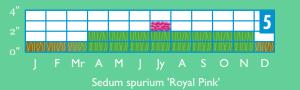
RoofTop Proven[™] Sangria Mix[™] Specifications



Base Plants







Design Intent: Low

complementary to rustic

• Foliage: Evergreen and Deciduous, coarse

textured, mostly green

with accents of gold and

maintenance,

architecture.

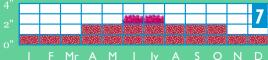
burgundy.

pink.

• Flowers: Clean yellows, white, and



J F Mr A M J Jy A S O N L Sedum spurium 'Green Mantle'



Sedum spurium Wild Cherry®

Design Intent: Low maintenance. Rich bloodred tones with pink and white floral hilites.

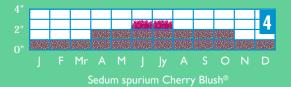
- Foliage: Bright cheerful cherry reds, both evergreen and deciduous.
- Flowers: Clear white and vibrant pinks

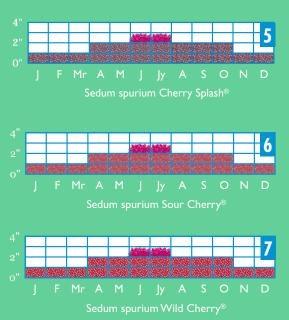


Base Plants













RoofTop Proven[™] School Pride Mix[™] Specifications

RoofTop Proven[™] School Spirit Mix[™] Specifications





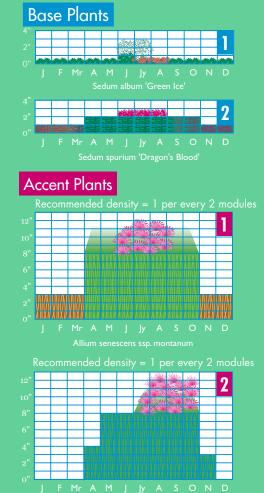
Design Intent: Low maintenance. Robust foliage and flowers for fall, winter, and early spring effect. Corresponds with school year.

- Foliage: Deciduous and Evergreen, rich textured, with mostly green fall and winter color.
- Flowers: Large blooms of white, purple, and pink during the school year.

Design Intent: Low maintenance. Playful mix of fall, winter, and early spring colors and textures. Corresponds with school year.

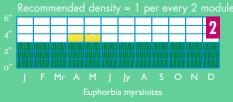
- Foliage: Deciduous and Evergreen, green, blue green, burgundy, orange and multicolored.
- Flowers: Bright pink, mauve, white, and yellow.

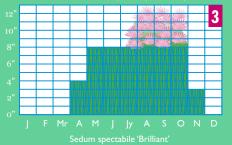


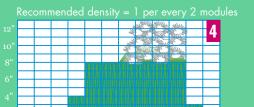


2 3 Sedum sexangulare 'Elatum' Accent Plants

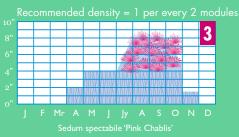
Base Plants

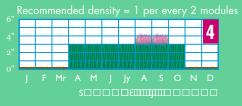


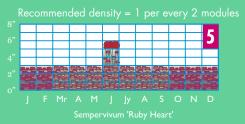




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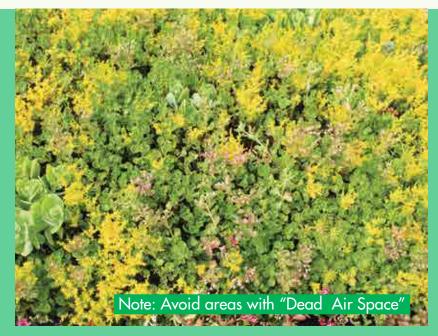




RoofTop Proven[™] Shade Fanfare Mix[®] Specifications

RoofTop Proven[™] Shade Serene Mix[®] Specifications

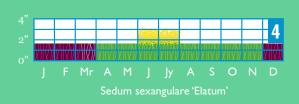




Base Plants

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Design Intent: Low

maintenance. Shade tolerant (3+ hours of

sun plus reflected light) greens and blues with

• Foliage: Evergreen

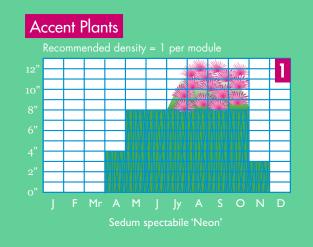
• Flowers: Bright

and Deciduous, bold textures with vertical

yellow and pink hues.

color highlights.

accent.

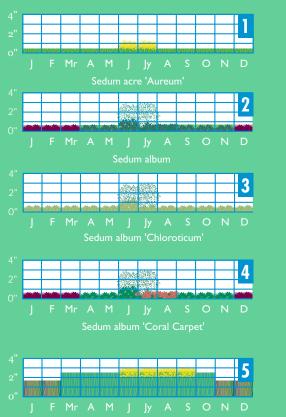


Design Intent: Low maintenance. Relatively shade tolerant (3+ hours of sun plus reflected light) in subdued color tones.

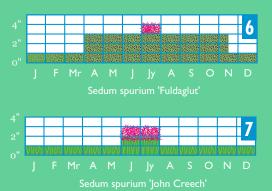
- Foliage: Evergreen and Deciduous, bold rich textures.
- Flowers: Yellow, white, and pink hues.

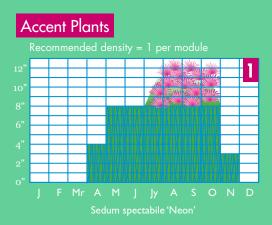


Base Plants



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RoofTop Proven[™] Sunshine Mix[®] Specifications

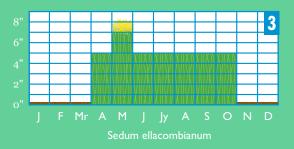
RoofTop Proven[™] Tough Extreme Mix Specifications

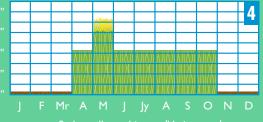


Base Plants



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white.

Design Intent: Low

maintenance. Bright,

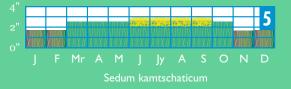
cheerful yellow tones.

• Foliage: Evergreen

and Deciduous, green/

gold, and chartreuse.

• Flowers: Yellow and



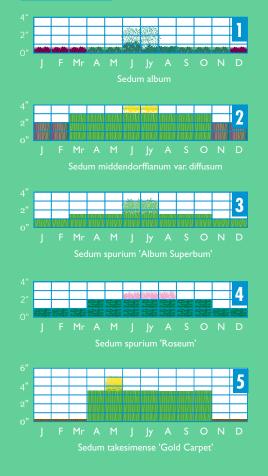




Design Intent: Low maintenance. Extra durable plants that resist extreme heat and cold, and smother the soil like no others.

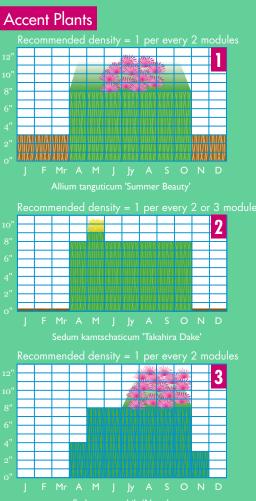
- Foliage: Evergreen and Deciduous, deep green, yellowishgreen, and blue green.
- Flowers: Yellow and white with accents of pink.

Base Plants



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RoofTop Proven[™] Water Absorption Mix[™] Specifications

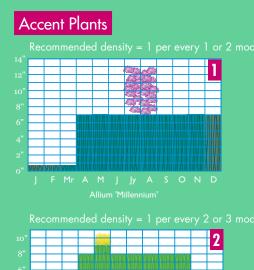
RoofTop Proven[™] Yellow & Purple Mix[™] Specifications



Base Plants

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Design Intent: Enhanced storm water mitigation by pairing plants that grow fast, and therefore consume lots of water, during the spring and fall rainy seasons

- Foliage: Evergreen and deciduous, 12 month aesthetics.
- Flowers: Bright whites, yellows, and pinks.



- Foliage: Evergreen and deciduous, yellow base, with purple accents.
- Flowers: Pink and yellow flowers.



Base Plants





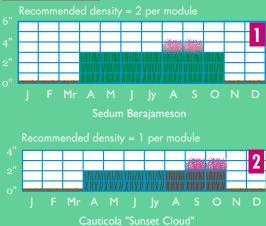




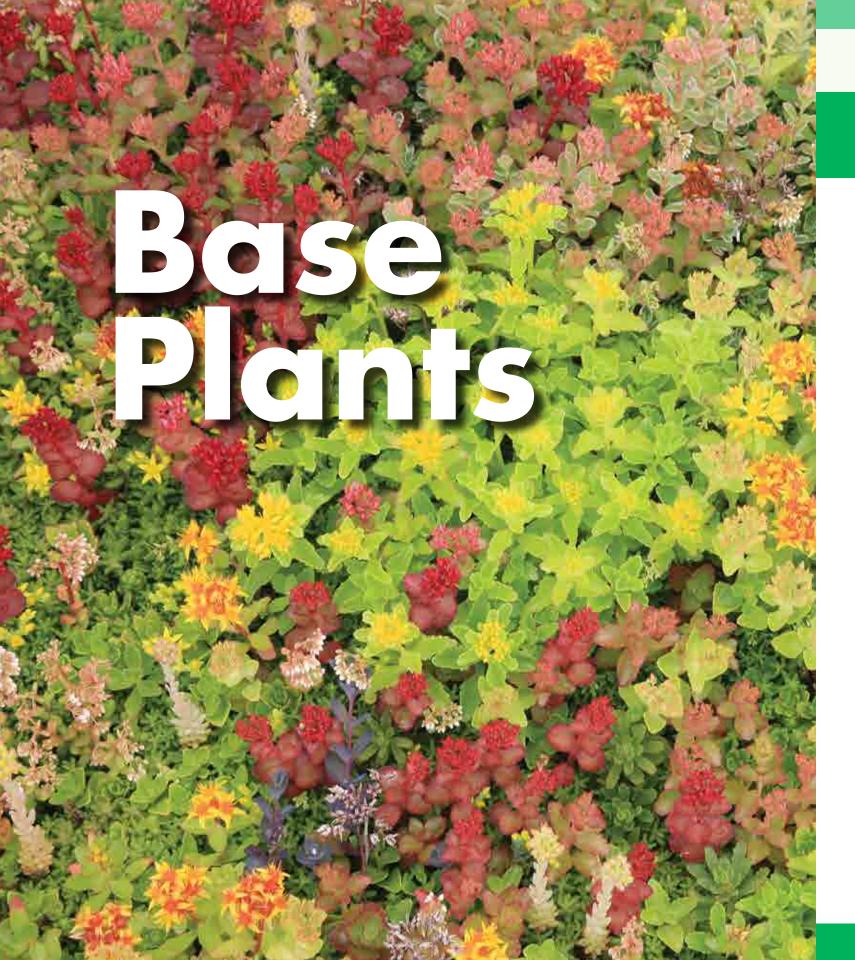
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Accent Plants









LiveRoof[®] Green Roof Plants

Planting Theory for LiveRoof Pre-Selected Plant Assortments

LiveRoof has developed various plant assortments with the following objectives in mind:

- Beautiful and colorful year round.
- "Carefree", i.e., minimal maintenance, minimal water.
- Sustainable, expected to live indefinitely.

Each LiveRoof plant assortment contains complementary plants, typically composed of five to nine "Base" plants (see definition below), some assortments with "Accent" plants (see definition below).

"Base" plants consist of easily propagated deciduous, semievergreen, or evergreen Sedums that range from 1/4 inch to 4 inches tall. They are used to create a beautiful attractive living mulch that serves as a backdrop to any accent plants used in the assortment.

Because base plants are easy to propagate, they may be combined in random mixtures to create a meadowlike effect without increasing the base cost of the LiveRoof system. If the base plants are planted in specific patterns (typically from plugs), the cost of planting goes up and is reflected in the system price.

Deciduous and Semi-evergreen Base Plants

- **Definition:** Deciduous plants shed their leaves, and often their stems, during the winter months. Semi-evergreen plants
 - **Value:** Shed leaves and stems decompose to nourish the soil and provide ongoing nutrition. • Available in a broad array of colors and textures.
 - the base plant palette (along with two to five evergreens, and any desired accent plants).

Evergreen Base Plants

Definition: Evergreen plants hold on to their leaves year-round.

- **Value:** Blanket the soil 12 months out of the year.
 - Provide winter color and interest.
 - Act as a living mulch to help prevent weed encroachment during all seasons.
 - Sequester Carbon as they hold on to their leaves and stems indefinitely.
 - Available in a broad array of colors and textures.
- **Use:** Typically two to five evergreen plants are incorporated into each LiveRoof mix as part of the base plant palette (along with two to five deciduous plants, and any desired accent plants).

Accent Plants

In addition to the LiveRoof Base Plants, LiveRoof offers an exciting array of Accent Plants. Illustrated later in this catalog (see tabbed section), LiveRoof accent plants are frequently added to the mix of base plants to create interesting color splashes, vertical dimension, and a unique visual signature.

LiveRoof recommends that LiveRoof Accent Plants be planted at densities of 1/2 to 2 plants per square foot. Accent plants typically add about \$.60 to \$ 1.20 per square foot to the overall system cost.

- Accent plants from LiveRoof are intended to do the following: • Create highlights and a unique "Visual Signature" or design impression.
- Draw the eye to particular elements of the LiveRoof.
- - 406-490-7844

shed most of their leaves in winter, but typically hold on to the leaves at the tips or base of their stems.

Use: Typically two to five deciduous or semi-evergreen plants are incorporated into each LiveRoof mix as part of

• Create special effects, logos, or enhance the seasonal aspects of viewership (e.g., flowers during the school year).

Red or Purple Foliage



LiveRoof[®] Base Plant Recommendations



Sedum album 'Atropurpureum'

(see-dum al-bum)

Purple Leaved White Flowered Sedum Zone 3



Evergreen 1" - 1 $\frac{1}{2}$; full sun to light shade. `Atropurpureum' literally means very purple, and refers to its evergreen leaves that range

from green during summer to intense purple during the cool season. 'Atropurpureum' is a sturdy and reliable creeping selection that bears white star shaped flowers during summer.



Sedum album 'Coral Carpet'

(see-dum al-bum)

'Coral Carpet' White Flowered Sedum Zone 4.



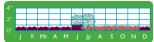
1/2"-1"; full sun to light shade. Evergreen with flattened mosslike growth habit, 'Coral Carpet' is unique for its tiny, oval, beanlike leaves which A M J Jy A S O N D turn bright red in hot, dry, exposed locations as

well as during the winter season. The effect of the leaves can be quite striking, and when topped with its prominent late spring and early summer display of white flowers, it is just that much more interesting.



Sedum album var. micranthum 'Red Ice' (see-dum al-bum) 'Red Ice' Sedum. Zone 4.

Evergreen



1"- 2"; full sun to light shade. From Ray Stephenson, author of "Sedum, Cultivated Stonecrops", 'Red Ice' was introduced into J F Mr A M J Jy A S O N D North America by green roof expert Ed

Snodgrass. 'Red Ice' is a fabulous S. album selection that colors up deep blood red during the fall and winter months. By mid spring, its evergreen foliage changes to blue-green, and during early to mid summer it yields a pleasing array of cheerful white flowers



Sedum spurium 'Bronze Beauty' (see-dum spew-ree-um) 'Bronze Beauty' Sedum. Zone 3



Evergreen

 $1 \frac{1}{2}$ " - 2"; full sun to light shade. `Bronze Beauty' is a fine selection with relatively large, uniformly reddish bronze, semievergreen foliage. Flowering during summer, it bears

contrasting vibrant pink flowers.



Sedum spurium Cherry Blush[®] ('Nonio') (see-dum spew-ree-um) Patent 22061 'Cherry Blush®' Sedum. . Zone 3



1¹/₂" - 2"; full sun to light shade. Cherry Blush[®] is named for its olive green, lustrous cherry-red edged foliage. Borne upon arching stems, the foliage of Cherry Blush[®] becomes more red-infused as the season progresses, and during the summer is topped with dusky

Sedum spurium Cherry Splash® ('Nonol')

(see-dum spew-ree-um) PPAF



Cherry Splash® Sedum. .Zone 3

Evergreen



 $1 \frac{1}{2}$ - 2"; full sun to light shade. Cherry Splash[®] is named for its foliage that is first vibrant green with accents of pink and red. FMrAMIIVASON Later it turns rich red. A summer bloomer, during

mid-season it bears attractive pink flowers.

Red or Purple Foliage

LiveRoof[®] Base Plant Recommendations





Zone 3



'Cherry Blast[®]' Sedum.. F Mr A M I Iv A S

1 1/2" - 2"; full sun to light shade. Cherry Blast® represents a unique color breakthrough in that its bright cherry-red foliage is shiny and light reflective. During summer the foliage is

Semi-

Evergreen

accented with flowers of neon cherry-pink.

(see-dum spew-ree-um) Patent 22057







Sedum spurium Dark Dragon® (`Nonog') (see-dum spew-ree-um) Patent # 22058 Dark Dragon® Sedum Zone 3





1"-2"; full sun to light shade. `Dark Dragon' was derived as a mutation of `Schorbuser Blut' and was selected for its red/purple foliage. A strong grower it bulks up nicely and during

summer makes a display of deep pink star-shaped flowers.

Red or Purple Foliage

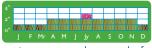


LiveRoof Base Plant Recommendations



Sedum spurium 'Elizabeth' (see-dum spew-ree-um)

'Elizabeth' Sedum



 $1 \frac{1}{2}$ "-2"; full sun to light shade. 'Elizabeth' is a splendid selection with deep red flowers from early to mid summer and deep green red-suffused foliage that is big, fan shaped,

Semi-Evergreen

semi-evergreen and noteworthy for its prominently scalloped edges.

Zone 3

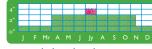


Sedum spurium 'Fuldaglut'

(see-dum spew-ree-um)

'Fuldaglut' Sedum





1¹/₂"-2"; full sun to light shade. Remarkable for its deep maroon leaves and deep pinkish rose summerborne flowers, 'Fuldaglut' is an exciting semi-evergreen introduction for high contrast

against light colored companions.





Sedum spurium 'Schorbuser Blut'

(see-dum spew-ree-um)

'Schorbuser Blut' Sedum.



1"-2"; full sun to light shade. While some people claim this to be the same as `Dragon's Blood', our experience is that `Schorbuser Blut' F Mr A M J Jy A S O N D is markedly different than the `Dragon's Blood'

that circulates throughout North America. 'Schorbuser Blut' is clothed in broad, nearly round, rosettelike, bronzy green burgundy-infused foliage that conveys an impression of depth and richness. During mid summer it bears numerous heads of rich reddish pink flowers.

Zone 3



Sedum spurium NewVoo[®] ('Nonov')

(see-dum spew-ree-um) Patent # 22138

NewVoo[®] Sedum



1 - 1 1/2"; full sun to light shade. Derived from the popular selection 'Voo Doo', NewVoo™boasts a uniformly, deep maroon foliage arranged in compact habit. During summer it bears star

Zone 3.

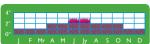
Semi-Evergreen

shaped flowers of brilliant crimson pink.



Sedum spurium Rainbow[®] ('Nonia') (see-dum spew-ree-um) PPAF

Rainbow[™] Sedum.



 $1 \frac{1}{2}$ - 2"; full sun to light shade. With multicolored foliage, Rainbow™ ranges from olive green to orange-red, becoming deeper red as the season progresses. During summer it is

Zone 3

Semi-Evergreen

complemented with rich pink star shaped flowers.



Sedum spurium Wild Cherry® ('Nonet')

(see-dum spew-ree-um) Patent 22060



FMrAM J Jy A SON

 $1 \frac{1}{2}$ " - 2"; full sun to light shade. Wild Cherry® is clothed in light reflecting foliage of metallic cherry-red. Densely set, it is attractive spring through fall, and during mid summer it is clothed

Zone 3

in bright pink star shaped flowers.

Wild Cherry® Sedum.

Red or Purple Foliage

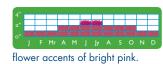
LiveRoof[®] Base Plant Recommendations





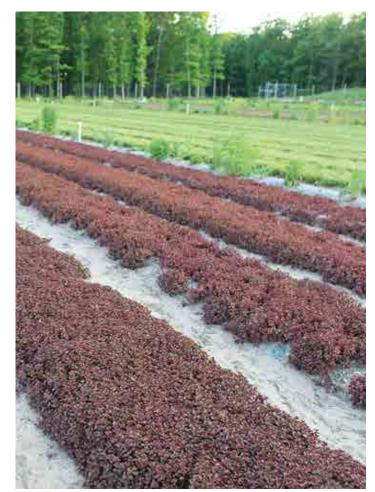
Sedum spurium Sour Cherry® ('Noned') (see-dum spew-ree-um) Patent 22059





Sour Cherry[™] Sedum .

1¹/₂" - 2"; full sun to light shade. Sour Cherry™ is named for its light reflecting cherry red foliage, which alone makes it an outstanding plant. Yet, during summer it is enhanced with



Yellow Foliage



LiveRoof[®] Base Plant Recommendations



Sedum album 'Chloroticum'

(see-dum al-bum) Sunshine Sedum.

Evergreen Zone 4 1/2''; full sun to light shade. Sunshine sedum is named for its vibrant yellowish-green miniature

beadlike leaves. Carried on thin creeping stems, it grows along the ground in mosslike fashion reaching only 1/2 inch high. During summer it bears a sparse crop of white, star shaped flowers.

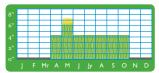


Sedum ellacombianum 'Variegatum'

(see-dum el-la-koe-mee-aye-num)

Variegated Ellacombe's Sedum Zone 4





2"-4"; full sun to light shade. From eastern Siberia, this hardy, drought resistant sedum is very beautiful and increasingly popular. Clothed in densely set, attractively variegated foliage (jade green surrounded by lemon vellow), its branches are semi-upright, and

during summer give rise to bright yellow star-shaped flowers.



Sedum reflexum Moonshadow™

(see-dum re-fleks-um) PPAF Moonshadow[™] Sedum.

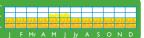


3"-4"; 6"-8" in bloom. full sun to light shade. Moonshadow[™] is clothed in sulfur-yellow evergreen foliage and is simply superb. During early and mid summer it sends up tall leafy stems that bear flat topped clusters of bright yellow flowers.

Zone 3



Sedum reflexum Solar Spice® (see-dum re-fleks-um) PPAF Sedum Solar Spice® Zone 3



3"-4"; 6"-8" in bloom. full sun to light shade Solar Spice[®] enhances the offering of yellow evergreen leaved selections, this time with bright yellow foliage often suffused with hints

Evergreen

of paprika-especially during flowering when it sends up upright floral stems that bear bright yellow flowers at their tops.



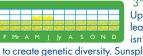


.Zone 3

Sedum reflexum Sunsplash® (see-dum re-fleks-um) PPAF

Sedum Sunsplash®..





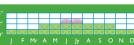
floral spikes that bear lemon yellow flowers at their top.

3"-4"; 6"-8" in bloom. full sun to light shade. Up until now, the field of evergreen, yellow leaved rooftop plants has been limited, which isn't so good as one always want a mixture of plants to create genetic diversity. Sunsplash® broadens the offering with foliage that is chartreuse (half green/half yellow). During early to mid summer it sends up taller

Sedum spurium Moonshine®

(see-dum spew-ree-um) PPAF Moonshine[®] Sedum.





2"-3"; full sun to light shade. Moonshine® is a real breakthough plant in that its foliage is chartreuse-yellow. Heretofore this did not exist J F Mr A M J Jy A S O N D within the species S. spurium, and is important

to designers of greenroofs because it adds a deciduous plant to a palette of mostly evergreen yellow-leaved selections. In all plant mixes there should be deciduous plants for nutrient recycling; now there is one more in the yellow spectrum. Moonshadow[®] is adorned with vibrant pink flowers during summer.

Zone 4

Yellow Foliage







(see-dum rew-pes-tree)

'Angelina' Sedum Zone 3



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2"-3"; full sun to light shade. Discovered in a private garden in Croatia, 'Angelina' is a trailing selection clothed in brilliant golden yellow spruce-needle shaped evergreen foliage that turns golden orange in winter. Its flowers, borne during June and July, are lemon-yellow upon upright stems 4-6 inches above the foliage







<u>Blue</u> Foliage



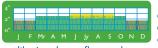
Base Plant Recommendations



Sedum kamtschaticum `Variegatum'

(see-dum kam-chat-i-kum) Kamchatka Sedum .

Zone 4



1"-2"; full sun to light shade. With blue green evergreen leaves surrounded by a creamy edge, this plant appears gray blue from a distance. Its foliage is decorated with yellow

Evergreen

starlike June-borne flowers that age to orange in July.

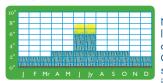


Sedum reflexum

(see-dum re-fleks-um)

Blue Spruce Sedum

Evergreen



3"-4"; 6"-8" in bloom. Full sun to light shade. Named for its backward bending (reflexed) leaves, blue spruce sedum bears trailing stems and needles that look like a blue spruce. Originally from Europe, where its vibrant sky-blue evergreen leaves were eaten in salads, it is very hardy and grows at a moderate pace.

During early summer, tall narrow upright leafy stems rise up like pillars above the foliar mass. Atop them are carried thousands of tiny yellow flowers that collectively compose the showy flat-topped clusters.

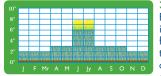
Zone 3



Zone 3.

Sedum reflexum Bluebird®

(see-dum re-fleks-um) PPAF Sedum Bluebird®



3"-4"; 6"-8" in bloom. full sun to light shade. Bluebird[®] is a very colorful evergreen sedum. It is clothed in rich blue new growth atop older foliage that is infused with rich red and purple tones.Bluebird[®] is evergreen, is great in combination with other blue or purple leaved

Evergreen

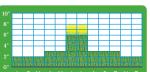
selections, and becomes even more interesting during early to mid summer when adorned with bright yellow flowers.

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Sedum reflexum Blue Dawn® (see-dum re-fleks-um) PPAF

Sedum Blue Dawn®



Blue Dawn[®] is named for its foliage that is very subtly blue colored, more like a calming gray-blue. With good vigor and sprucelike evergreen foliage, Blue Dawn[®] is a good choice for blending with other blues or plants of contrasting color, such as purples and reds.

Flowering occurs during early to mid summer with star shaped yellow flowers borne atop upright floral stems.

LiveRoof



Sedum reflexum Blue Magic™ (see-dum re-fleks-um) PPAF

Blue Magic[™] Sedum.



3"-4"; 6"-8" in bloom. full sun to light shade. Blue Magic[™] is the color of blue moon ice cream but with infusions of red and purple at its base. Blue Magic[™], in combination with other selections of blue foliage can be used to create lovely sky blue roof surfaces Flowering occurs uring early and mid summer with bright yellow

Zone 3

flowers borne upon upright stems



Sedum spurium 'Tricolor'

(see-dum spew-ree-um) 'Tricolor Sedum



.Zone 3. 1"-2"; full sun to light shade. This cultivar is

J F Mr A M J JY A S O N D during summer, its flowers are a soft pale pink. No doubt, it is one of the most colorfully foliaged of all LiveRoof plants and fantastic for infusing color highlights

distinct for its variegated semi-evergreen foliage of pink, white, and green. Blooming

Evergreen Zone 3 3"-4"; 6"-8" in bloom. full sun to light shade.

Blue Foliage







Sedum reflexum Sea Mist™

(see-dum re-fleks-um) PPAF Sea Mist™ Sedum.

Evergreen

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3"-4"; 6"-8" in bloom. full sun to light shade. Sea Mist is uniquely blue-green, evergreen, and known for holding this color year round. During it's early summer bloom season, it sends up bright lemon-yellow flowers above the foliage.



Green Leaves / White Flowers



Base Plant Recommendations



Sedum album

(see-dum al-bum) White Flowered Sedum

Evergreen



1"; full sun to light shade. This mosslike white flowered sedum is clothed in succulent jelly-bean shaped leaves. Carried upon

creeping stems, they are green from spring to fall, and take on hues of rich purple and green during the cold season. Star shaped snow white flowers arise on wire thin stems during June and July.

Zone 4

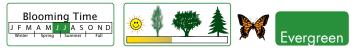


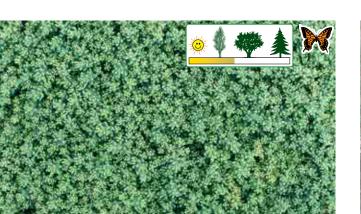
Sedum album 'Faro Island'

(see-dum al-bum)

'Faro Island' White Flowered Sedum

1/2''; full sun to light shade. Among the tiniest leaved forms of Sedum album, 'Faro Form' bears miniature jelly beanlike, shiny green, water-filled leaflets upon trailing stems. Mosslike in habit, and decorated with white flowers during midsummer, 'Faro Island' is drought-tolerant and turns burgundy during winter.





Sedum album 'Green Ice'

(see-dum al-bum) 'Green Ice' Sedum

Evergreen

1"-2"; full sun to light shade. 'Green Ice' was introduced to North America by Ed Snodgrass, who acquired it from Ray Stephenson, English FMrAM JJYASOND author of "Sedum, Cultivated Stonecrops". This

selection, unlike other S. album, holds its rich olive green foliage color throughout the winter months. This characteristic is especially nice in climates where the color green is uncommon during winter. The clear white star shaped flowers of 'Green Ice' are borne in good numbers during early to mid summer.

Zone 4.



Sedum album 'Hailey's Comet'

(see-dum al-bum)

'Hailey's Comet' Sedum



.Zone 4

Yuldin ale ... anin

1/2"-1"; full sun to light shade. A low growing, mat forming evergreen, 'Hailey's Comet' is a handsome fine textured species smothered in tiny, cylindrical, slightly bluish tinged mid green

leaves. It is noteworthy for the contrast between its foliage and its crimson colored stems. 'Hailey's Comet' blooms late summer and early fall, bearing many white flowers atop leafy semi upright stems. It is completely evergreen and turns a rich scarlet purple during the winter months.

Zone 5



Sedum 'Mini Me'

(see-dum) 'Mini Me' Sedum





1/4''; full sun. 'Mini Me' is reserved, and attractive. An evergreen, it is clothed in teeny tiny, rounded, shiny olive green foliage attached to horizontal stems. Reaching only 1/4" tall, it looks like a little moss. Flowering has not been observed.

Zone 5



Sedum spurium 'Green Mantle'

(see-dum spew-ree-um) 'Green Mantle' Sedum.



 $1 \frac{1}{2}$ "-2"; full sun to light shade. Unique for its extra large, super coarse textured, uniformly vibrant green foliage, 'Green Mantle' is rugged and extremely drought-tolerant. 'Green

Mantle' is very low maintenance, and looks nice year round. A compact grower, it hugs the ground like a carpet. During summer, it blooms with creamy white, butterfly-attracting flowers.

Zone 3.

Green Leaves / White Flowers







(see-dum spew-ree-um)



White Flowered Sedum.

2"-3", up to 4" in flower; full sun to light shade With shiny green succulent semi-evergreen foliage, 'Album Superbum' creeps slowly to form an attractive ground covering mat, and during summer is decorated with white star-shaped flowers.







Base Plant Recommendations

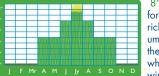


Sedum aizoon 'Euphorbioides'

(see-dum aye-zoon)

Euphorbia Leaved Sedum

Deciduous



8"-12"; full sun to light shade. A taller clump forming sedum, 'Euphorbioides' bears lustrous, rich green foliage, whorled about stout stems in umbrellalike fashion. Mostly deciduous, it has the interesting characteristic of setting new whorls of foliage from new buds prior to winter. During mid summer it blooms with large

heads of rich yellow flowers and makes a fine companion to Sedums `Neon', `Brilliant', and `Vera Jameson'

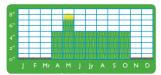
Zone 4



Sedum ellacombianum

(see-dum el-la-koe-mee-aye-num) Ellacombe's Sedum

Zone 3



3"-5"; full sun to light shade. Deciduous and fleshy, the foliage of this popular time proven species is light green, broad and long. Lemon yellow flowers appear in late May and June.

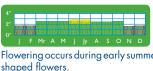
Deciduous



Sedum floriferum Winter Mahogany®

(see-dum flo-rif-er-um) PPAF Winter Mahogany[®] Sedum





2"-3"; full sun to light shade. Winter Mahagony[®] is a strong growing evergreen with vibrant shiny green foliage that turns a distinct and rich mahagony during the fall and winter. Flowering occurs during early summer when plants are loaded with bright yellow star

Zone 3



Sedum floriferum 'Weihenstephaner Gold'

(see-dum flo-rif-er-um) 'Weihenstephaner Gold' Sedum

Evergreen



2"-3"; full sun to light shade. 'Weihenstephaner Gold' is an excellent dense growing sedum with rich reddish burgundy stems, vibrant green foliage, and bright clear

yellow flowers during summer. Its evergreen foliage colors up nicely during fall with deep reddish highlights.

Zone 3



Sedum floriferum Winter Cherry Red®

(see-dum flo-rif-er-um) PPAF Winter Cherry Red[®] Sedum





Zone 3

with predictable coloration makes the process of design more successful. Winter Cherry Red[®], which is evergreen, is colored shiny mid-green

during the growing season, and cherry-red during the fall and winter. Its flowers of early summer are a very bright yellow and borne in good number.



Sedum hybridum 'Czar's Gold'

Evergreen



(see-dum hye-bri-dum)

'Czar's Gold' Sedum .

 $1 \frac{1}{2}$ "-2"; full sun to moderate shade. `Czar's Gold' is a rich sulfur-yellow flowered, reddish stemmed carpet former unique for bold textured deep green evergreen foliage. Best

described as rich and distinct, `Czar's Gold' contributes a commanding presence. It requires little care and is perfect with other sedums, Allium, or hen and chicks.

Zone 3.

Green Leaves / Yellow Flowers

LiveRoof[®] Base Plant Recommendations







Winter Purple® Sedum

(see-dum flo-rif-er-um) PPAF

Zone 3 2"-3"; full sun to light shade. If you like rich color during the winter then this evergreen is a fine choice as cold weather brings out deep purple maroon coloration in its large evergreen

Evergreen

foliage. Come spring, it changes to mid green which sets a nice backdrop to its lemon yellow flowers of early summer.

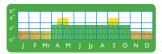






Sedum hybridum 'Immergrunchen'

(see-dum hye-bri-dum) Evergreen Sedum



2"-3"; full sun to light shade. 'Immergrunchen', in German, literally means evergreen. 'Immergrunchen' is a compact, extremely coarse textured ground cover of tight habit and vibrant green foliage. Its leaves are actually

Semi-

Evergreen

semi evergreen, some of them shed during the winter months and the remainder turning a vibrant amber color during winter. An early and late bloomer, 'Immergrunchen' bears cheerful yellow flowers during early June, rests for a couple of months, then blooms again during September.

Green Leaves / Yellow Flowers



Base Plant Recommendations



Sedum kamtschaticum

(see-dum kam-chat-i-kum)



Evergreen Zone 3. 1"-2"; full sun to moderate shade. From Siberia and super cold hardy, Kamchatka sedum

displays rich green evergreen foliage that takes on purplish hues in wintertime. Carried upon sprawling stems, the leaves make an excellent backdrop to the early summerborne, brilliant yellow, star shaped flowers. Heat and drought tolerant and requiring of little maintenance



Sedum kamtschaticum 'Kurilensis'

(see-dum kam-chat-i-kum)

'Kurilensis' Kamchatka Sedum



Zone 3 1"-2"; full sun to light shade. Sedum `Kurilensis' is a strong grower distinguished from the species by red stems and shiny green plastic-like foliage. It is durable, exceptionally

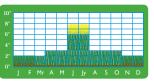
drought resistant, and bears attractive yellow flowers during June and July.

Semi-Evergreen

Evergreen



(see-dum re-fleks-um) PPAF Sedum Dark Spruce®.



3"-4"; 6"-8" in bloom. full sun to light shade. Named for its stiff, needlelike, dark green foliage, Dark Spruce® adds texture and contrast when combined with sedum species of contrasting leaf shape or color. This is enhanced when its upright floral stalks arise during early to mid summer. Flowers are yellow,

Zone 3.

and the evergreen foliage turns a rich bronze during winter.



Sedum middendorffianum var. diffusum

(see-dum mid-den-dore-fee-aye-num) Diffuse Middendorf's Sedum. Zone 3

Very aggressive. Use only in Tough Extreme Mix.

up deep hues of purple



2"-4"; full sun to light shade. Relatively aggressive, this evergreen stonecrop is attractive in all seasons. With spring comes new deep green foliage, then in early summer, bright yellow flowers followed by russet seed capsules. In the fall, the foliage picks



Sedum middendorffianum var. `Striatum'

(see-dum mid-den-dore-fee-aye-num) Striped Kamchatka Sedum



really striped so much as slender leaved, and these narrow, perhaps 1/8 inch wide leaves yield a uniquely soft texture to this extremely

durable mid-green evergreen plant. Flowers of lemon yellow arise mid summer, at a time when other yellow-flowered species are done blooming.



Sedum reflexum Green Spice™ (`Nonec')

(see-dum re-fleks-um) PPAF Green Spice™ Sedum

Evergreen

3″-4″; full sun to light shade. Green Spice™ is a vibrant green spruce-leaved selection that stays vibrant during summer and holds its color well into winter. Flowering occurs during mid summer with lemon yellow star-shaped flowers.

Green Leaves / Yellow Flowers

LiveRoof[®] Base Plant Recommendations







(see-dum re-fleks-um) PPAF



Evergreen

3"-4"; 6"-8" in bloom. full sun to light shade GreenGlow® straddles the spectrum between green and yellow. More chartreuse then green, it tends to glow and gives off an iridescent green tone to its lovely sprucelike evergreen foliage. The foliage texture and the height of its flower stalks help to make this plant unique

Evergreen

Evergreen

and will bring contrast to the roofscape.

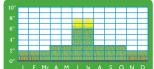




Sedum reflexum Lime Twist®

(see-dum re-fleks-um) PPAF

Lime Twist[®] Sedum. Zone 3



3"-4"; 6"-8" in bloom. full sun to light shade. Lime Twist[®] is named for its lime-tinged sprucelike evergreen foliage. It is an important plant as it allows for one to design "green" and have some plant diversity. Lime Twist® contributes nicely with a richness of color and texture and bright yellow flowers during early

to mid summer

Sedum GreenGlow[®]. Zone 3

Green Leaves / Yellow Flowers

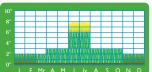


Base Plant Recommendations



Sedum reflexum Spring Green®

(see-dum re-fleks-um PPAF) Sedum Spring Green®



3"-4"; 6"-8" in bloom. full sun to light shade. Spring Green® is just that, vibrant, youthful, and energized with radiant electric evergreen sprucelike foliage. Blooming occurs atop tall upright stems during early to mid summer with starlike flowers of electric yellow.

Zone 3.

Evergreen

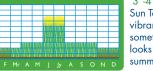


Sedum reflexum Sun Touched®

(see-dum re-fleks-um) PPAF







3"-4"; 6"-8" in bloom. full sun to light shade Sun Touched[®] appears to be a combination of vibrant green with a sunny, chartreuse sheen, sometimes with hints of red. An evergreen, it looks nice year round and during early to mid summer bears many bright yellow flowers.

Evergreen



Sedum takesimense 'Gold Carpet' (see-dum tak-i-sim-en-see)

'Gold Carpet' Sedum





4"-6"; full sun to moderate shade. So tough you'd swear it's plastic, `Gold Carpet' is an intensely blackish green, metallic-green-edged sedum. It is unique and appears to resist extreme heat and drought. But, it's also beautiful, and in addition to forming clumps to 10 inches wide, is accented with

Zone 4

clusters of bright yellow flowers during mid-summer Very aggressive. Use only in Tough Extreme Mix.



Sedum sexangulare 'Elatum'

(see-dum sex-an-gyew-lare-ee) 'Elatum' Six Angled Sedum



1"-2"; full sun to light shade. The selection `Elatum' is known for producing uniformly F Mr A M J Jy A S O N D set foliage. Attractive year-round, `Elatum'

Evergreen

bears numerous sunshine-yellow, starshaped flowers during midsummer. During winter its foliage becomes an attractive combination of red, purple, and green.

Zone 4.



Sedum takesimense (see-dum tak-i-sim-en-see) Takesimense Sedum





4"- 6"; full sun to moderate shade. Sedum takesimense is a strong, rather upright grower with rugged vibrant green foliage. It is nice to incorporate in the mix for its taller height which contributes to a more meadowlike appearance.

During mid to late summer it bears clear yellow flowers



Sedum tschernokolevii

(see-dum sher-nok-oh-lev-ee-ee) Tschernokolevii Sedum.

Evergreen



1/2'' - 1''; full sun to moderate shade. A low spreading species, S. tschernokolevii is clothed in small green evergreen foliage that turns bronzy in full sun. It is evergreen, hails from high

elevations and flowers during early to mid summer with light yellow flowers.

Zone 5.

Zone 4

Green Leaves / Yellow Flowers

LiveRoof[®] Base Plant Recommendations





Sedum tenelum (see-dum te-nel-um) Turkish Sedum.





1"-2"; full sun to moderate shade. Considered rare in cultivation, Sedum tenelum comes from high elevations in the mountains of Turkey and Iran. Its short stems are clothed in narrow

semi-evergreen leaves, and during early to mid-summer it is decorated with white flowers that are red tinged. During winter the leaves at the tip of the stems are retained and turn a rich shade of reddish purple.







Sedum spurium 'Dragon's Blood'

(see-dum spew-ree-um)

'Dragon's Blood' Sedum



1"-2"; full sun to light shade. Exremely popular, 'Dragon's Blood' displays uniform purplish bronze semievergreen foliage that becomes bronze to scarlet by autumn. Brilliant red

Zone 3

Semi-Evergreen

flowers are effective June to August.



Sedum spurium Green Pearl®

(see-dum spew-ree-um) PPAF Green Pearl® Sedum



2"-3"; full sun to light shade. Green Pearl® is valuable for making a `carpet' of deep green. It's a true carpet former, and blankets the soil with deep green glossy foliage. This

characteristic makes it good at excluding weeds and keeping maintenance to a minimum. Clear pink flowers are featured during summer and contrast well with the foliage

Zone 4



Sedum spurium 'Pink Jewel'

(see-dum spew-ree-um) 'Pink Jewel' Sedum.



<u>FMr</u>AMJJYASON

 $1 \frac{1}{2}$ " - 2"; full sun to light shade. 'Pink Jewel' resembles 'Dragon's Blood' but with more compact, red-suffused foliage. Its summerborne flowers are a lovely clear pink.

Zone 3.



Sedum spurium Guacamole[®] ('Nonef')

(see-dum spew-ree-um) Plant Patent #22139 Guacamole® Sedum Zone 3



1¹/₂" - 2"; full sun to light shade. Guacamole® is a uniquely colored sedum spurium. Its broad foliage is guacamole-green with salsa-red margins during spring. During summer it turns

Semi-

Evergreen

mostly red and is accented with numerous soft pink, star shaped flowers.



Sedum spurium 'John Creech'

(see-dum spew-ree-um)

'John Creech' Sedum





1"-2" in bloom; full sun to light shade. Super dense growing, 'John Creech' smothers the ground with its compact habit of succulent medium green semi-evergreen foliage.

Flowering mid summer, 'John Creech' bears upright stems topped with clusters of pinkish-purple florets.

Zone 3



Sedum spurium 'Royal Pink'

(see-dum spew-ree-um) 'Roval Pink' Sedum



1"-2"; full sun to moderate shade. This cultivar of two-row stonecrop is one of the best for foliage. Its leaves are vibrant green, densely set, and make a lovely weed impenetrable

mat—remarkably, in light shade as well as full sun. Showy deep pink flowers arise slightly above the mostly evergreen foliage

Zone 3.

406-490-7844 ©LiveRoof 2013 www.intermountainroofscapes.com

Green Leaves / Red/Pink Flowers

LiveRoof[®] Base Plant Recommendations







(see-dum spew-ree-um)





1"-2"; full sun to light shade. 'Roseum' is a very pleasing, drought and disease resistant selection with cheerful, clear, lime green semi-evergreen foliage. It fills the role of a

sedum that is very "green" in color and thus is great for contrast with the dark red, blue, and purple members of the genus. 'Roseum' displays pink summer borne flowers, and in this case, they are a clear, soft, pastel pink and borne in relatively low numbers. The unique aspect of this is that the flowers and foliage complement each other and can be appreciated at the same time.





Green Leaves / Red/Pink Flowers

Intermountain **Roofscape Supply** provides the \UfX]Ygh 'd`UbhghcW_ in the FcW_mMountain West FY[]cb" 'Hig Wca V]bYX ˈk]ħ ci fYl dYf]YbW UbX YI dYffgY ·····[i UfUbhYYgU ‴gi WWYggZi ``[fYYb dfc YW'

Please allow us to help you pair the best of Base plants with the best in Accent plants.

> Many green plants display beamtiful fall color.



Definition: Accent plants are typically more difficult to propagate and to plant than "base" plants and therefore will raise the overall system cost a little bit. Their beauty easily justifies their cost, and the use of accent plants is a wise investment. Accent plants are used to create color splashes, a unique visual signature or vertical dimension.

- Value: Create visual highlights.
 - Create a "unique" signature or impression.
 - Draw the eye to particular elements of the LiveRoof[®].

 - Use:

• Create special effects, logos, and/or targeted effect. For example, the plant palette for schools will typically contain accent plants that peak after Labor Day and before Memorial Day.

Typically one to three varieties are used in low density (e.g., 1 or 2 plants per module), along with the palette of deciduous, semi-evergreen, and evergreen "base" plants.

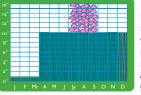




Allium cernuum

(ale-ee-um sir-new-um) Native Species Nodding Onion.

Deciduous



12"-16"; full sun to moderate shade. Native to the northwestern United States, nodding onion bears soft green straplike foliage arranged in an upright vase shape. Maturing quickly, nodding onion is reliable and durable and during midsummer bears numerous nodding lilac-pink flowers. Best companions are Alliums of differing bloom time or floral color, and numerous varieties of sedums.

Zone 2.



Zone 5

Allium 'Millennium'

(ale-ee-um) 'Millennium' Ornamental Chive



12"; full sun to light shade. This Allium is amazing! From the Onion Man, Mark McDonough, `Millennium' is the result of several generations of deliberate hybridizing. A compact grower, it is clothed in glossy green, narrow, upright straplike leaves which, during late summer, are topped with loads of shimmering iridescent pink-purple, 2-inch-wide, balloonlike flower heads.



Allium schoenoprasum 'Forescate' (ale-ee-um skoyn-oh-prah-sum)

'Forescate' Chive Zone 3.

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8"-14"; full sun to light shade. This remarkable ground cover fills the need for a plant that gives long running early season color along with super heat, cold and drought resistance. 'Forescate' chive leafs out during early spring with attractive bluish green foliage. Above it, carried upon stout stems, are numerous clusters of intensely rose pink springborne flowers that intensify to bluish purple

Deciduous

as they age. Both colors are present at the same time giving a cheerful confetti-like appearance.



Allium schoenoprasum var. sibiricum 'Pink Giant' (ale-ee-um skoyn-oh-prah-sum) Deciduous

. Zone 3.

'Pink Giant' Ornamental Chive



12" - 16"; full sun to light shade. This uncommonly robust ornamental chive is magnificent! Not only is it taller, but bigger in every respect. Its tubular powder blue-green leafless stems are about double the normal width, and its large clear pink balloonlike flower clusters are also bigger. Like many other Alliums, 'Pink Giant' emerges with attractive foliage during early spring and transitions to

flowering from May through June



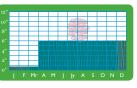
LiveRoof[®] Accent Plant Recommendations



Allium senescens 'Blue Eddy'

(ale-ee-um si-nes-enz) 'Blue Eddy' Curly Onion





4"-6", 10" in bloom; full sun to light shade. Attractive throughout the growing season, 'Blue Eddy' is both a great foliage plant and tremendous bloomer. Its unique powder-blue, twisted, flattened, leatherlike foliage is rugged and handsome. During midsummer, it is topped with round balloon-shaped heads of clear pink flowers.

Zone 4



Allium senescens subsp. montanum

(ale-ee-um si-nes-enz mon-tay-num) Mountain Garlic . Zone 5.

Deciduous



6"-10"; full sun to light shade. Amazingly easy to grow, this durable allium is neat, tidy and trouble free. On top of that, it is extremely ornamental. As a foliage plant it displays blemish free, vibrant medium green, leathery textured, vertically oriented, 10 inch long elliptical (in cross section)

straplike leaves. Held in tight clusters, the attractive foliage, all by itself, makes this a worthy garden specimen. But couple this with dozens of 2 inch clusters of vibrant pink-purple florets, carried mid summer in ballonlike fashion (8 inches above the foliage), and you have a plant that's just plain fun.





Allium senescens var. glaucum



(ale-ee-um si-nes-enz glaw-kum) Curly Onion

Deciduous

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4" tall; 12" in flower. Full sun to light shade Marvelous for late summer and fall color when it bears loads of pink, ballon shaped flower heads, curly onion is also a splendid foliage plant spring to mid summer. At this time, it garners attention for its flattened and twisted (curly), blue-gray foliage. Carried in dense hummocks, its foliage is unique.

Zone 4



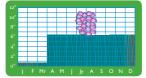




Allium senescens `Pink Pepper'

(ale-ee-um si-nes-enz) 'Pink Pepper' Ornamental Chive . Zone 4

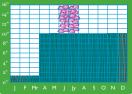




8"-10"; full sun to light shade. Tight clumps of glossy green straplike foliage, are complemented by numerous round heads of mostly sterile, clear pink flowers during midsummer.



Allium tanguticum Balloon Bouguet® ('Noneug') (ale-ee-um tan-gew-ti-kum) Plant Patent #2211 Deciduous Balloon Bouquet® Ornamental Chive Zone 4



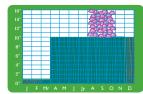
10"-12"; flowers carried at 16". Full sun to light shade. Balloon Bouquet[®] is a mid-sized selection with outstanding floral character. Fully budded by June, its balloonlike heads of clear pink flowers burst open in July. A great butterfly attractor, Balloon Bouquet[®] is durable, drought tolerant, long lived and excellent for any sunny green roof application.



Allium stellatum (ale-ee-um ste-latum)

Prairie Onion.

Deciduous



8"-12". Full sun to light shade. Prairie Onion flowers during late summer and fall with purplish-pink flowers atop 12-18 inch stems. Each flower has 6 pointed star-like petals which look nice against the soft gray-green foliage

Zone 4



Allium tanguticum 'Summer Beauty'

(ale-ee-um tan-aew-ti-kum) 'Summer Beauty' Ornamental Chive. Zone 4.



Beauty' is drought resistant, long lived, and provides a good food source for butterflies and honeybees.



Allium thunbergii `Ozawa' (ale-ee-um thun-berg-ee-eye) 'Ozawa' Fall Blooming Chive .. Zone 4.





6"-10"; full sun to light shade. `Ozawa'is a stiffly upright blue-green leaved selection with the unique feature of flowering during fall. Typically in bud by late August, 'Ozawa' begins flowering during September and last until November and carries its vibrant red-purple flowers in 2-inch-

LiveRoof[®] Accent Plant Recommendations



Euphorbia myrsinites

(you-fore-bee-a mur-sin-eye-teez) Myrtle Euphorbia. Zone 5

Deciduous

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2"- 6"; full sun to light shade. Named for its semblance to the genus Myrsine, myrtle phorbia is an extremely drought resistant editerranean evergreen. Durable and cold tolerant, myrtle euphorbia is known for its close set,

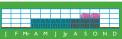
spiraling, fleshy, bright blue-green, oval to spatula-shaped foliage, borne upon thick sprawling stems. Well budded by September, and topped mid-spring to early summer with vivid chartreuse-yellow flowers, myrtle euphorbia is an eye popper and great in combination with sedums and alliums.



Sedum cauticola 'Sunset Cloud'

(see-dum kaw-ta-kole-a) 'Sunset Cloud' Sedum.





2" - 3"; full sun to light shade. Compact, carefree, colorful and florific are the most appropriate adjectives for describing 'Sunset Cloud'. 'Sunset Cloud' reaches only 2-3 inches tall with rich

foliage that is bluish purple early season becoming rich purplish red by August. Then, around the first of September, its well budded flower clusters open to reveal a smothering of dusky rich pinkish red flowers. Long lasting, the flowers continue into October. 'Sunset Cloud' is a fine accent plant, great in combination with other LiveRoof plants.

Deciduous

8"-12". Full sun to light shade. With deep dark

shiny green densely set foliage, 'Summer Beauty' is a fantastic plant for foliage alone. Yet, it is also

a spectacular flowering plant and provides several

weeks of color during July and August when it

becomes topped with 2 inch wide globose heads

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Sedum cauticola 'Bertram Anderson'

(see-dum kaw-ta-kole-a)

'Bertram Anderson' Sedum Zone 3





2"-3"; full sun to light shade. A compact grower, 'Bertram Anderson' displays deep purple, flattened, oval to rounded deciduous leaves which during late summer/early fall are smothered in

masses of bright pinkish red flowers. Not only is it a resilient grower with good drought tolerance, it is a very ornamental selection that is unique and highly prized for its unusual combination of foliar and floral color.





Sedum 'Carl' (see-dum)

'Carl' Sedum.

Deciduous .Zone.4. 6"-12"; full sun to light shade. From England, `Carl'

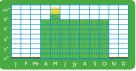
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is distinct among the upright sedums for its bushy compact habit, bluish foliage, and very bright, very large, exceedingly vibrant pinkish-red, late summer and fall blooming flowers.

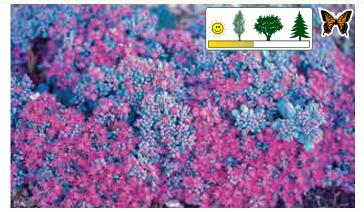


Sedum kamtschaticum 'Takahira Dake' (see-dum kam-chat-i-kum ta-kah-hee-rah dah-kay) Deciduous

'Takahira Dake' Kamtschatka Sedum.. ..Zone 3







Sedum sieboldii 'Nana' (see-dum see-bold-ee-eye)

Dwarf Siebold Sedum..

Deciduous



2"-3"; full sun to light shade. A fantastic grower, dwarf Siebold sedum is clothed in intriguing powder blue leaves. It is clean foliaged, grows at a slow pace, and creates a soft yet decisive

contrast when paired with sedums of yellow, green or variegated foliage. Dwarf Siebold sedum also blooms well, and at a time of year when its flowers are most welcome. Blooming dusky rose, its flowers open during mid September and October, a time well beyond the flowers of most of the lower growing sedum varieties.

Zone 3



Sedum spectabile 'Brilliant' (see-dum spek-tab-i-lee) 'Brilliant' Sedum

Deciduous



10"-14"; full sun to light shade. This durable, drought tolerant, classic succulent is most greatly appreciated for its late summer and early fall bloom time and showy clusters of pink flowers.

Zone 3.



Sedum spectabile 'Neon' (see-dum spek-tab-i-lee)

'Neon' Sedum



10"-14"; full sun to light shade. Selected as a mutation of Sedum 'Brilliant' (at The Ivy Farm in Locustville, VA) for intense deep purplish pink flowers., 'Neon' displays flowers that are deeper rose pink arranged in thick rounded clusters. A areat addition for late summer and fall color.

Zone 3.

Deciduous

LiveRoof[®] Accent Plant Recommendations



Sedum spectabile 'Pink Chablis' (see-dum spek-tab-i-lee) Plant Patent Applied For

'Pink Chablis' Sedum



6"-10" tall, full sun to light shade. Selected by Chris Howe of Hortech, 'Pink Chablis' is an exceptional accent plant with variegated leaves of blue green surrounded by broad edges of creamy white. 'Pink Chablis' is also remarkable for its white flower buds that are followed by clusters

Zone 3



Sedum telephium 'Munstead Dark Red'

(see-dum te-lef-ee-um) 'Munstead Dark Red' Sedum

Deciduous



sedum varieties.

12"-16"; full sun to light shade. While `Munstead Dark Red' is clothed in green and blue foliage that intensifies to purple under drought conditions, it takes its name for its bright reddish-purple flowers that are borne in large rounded heads during July through September. An excellent accent plant, it combines beautifully with a broad range of other

Zone 4.



Deciduous



Zone 3

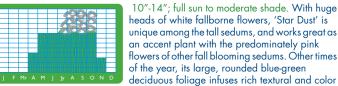
Sedum spectabile 'Star Dust'

(see-dum spek-tab-i-lee)

Deciduous



contrast.

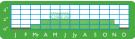


'Star Dust' Sedum.



Sedum ternatum

(see-dum ter-nay-tum) Native Species Three Leaved Sedum



Deciduous Zone 3 "-2"; light to moderate shade. Named for its habit of bearing leaves in threes (ternate), S. ternatum hails from rocky areas in the eastern and

midwestern U.S. It forms a low matlike habit and is unique for its preference for shade. Its growth rate is relatively slow to moderate. During late spring and early summer its medium green leaves are topped with four-parted, clear white flowers.

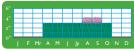


Sedum x 'Vera Jameson'

(see-dum)

'Vera Jameson' Sedum





Zone 3 4"-8"; full sun to light shade. 'Vera Jameson' is one of the finest clump forming stonecrops for color and ease of care. During midsummer it displays a multitude of 4 inch wide pink flower

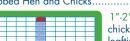
heads—each nicely set off by the marvelous bluish green succulent deciduous foliage. As fall approaches the bluish green leaves become increasingly purple.



Sempervivum arachnoideum

(sem-per-vye-vum a-rak-noy-dee-um)

Cobwebbed Hen and Chicks.. Zone 3



1″-2″; full sun to light shade. Cobwebbed hen and chicks is an amazing and curious plant for its leaftips that are crisscrossed with a dense network of whitish gray spiderweb-like hairs.

Evergreen

Each evergreen, succulent blue-green rosette reaches 1/2 to 1 inch wide, and during midsummer the large ones (the hens) send up thin leafy stalks that bear clusters of rose-red flowers at their tops.

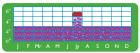


Sempervivum 'Purple Beauty'

(sem-per-vye-vum)

'Purple Beauty' Hen and Chicks





2"-3"; full sun to light shade. This durable selection of hen and chicks is most noteworthy for its vigorous spreading nature and grayish purple evergreen foliage. During autumn, winter, and spring, the hues intensify, and during early to

Zone 5

midsummer it bears its curious flowers upon leafy upright floral stalks.

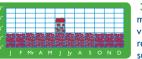


Zone 5

Sempervivum 'Ruby Heart' (sem-per-vye-vum)

'Ruby Heart' Hen and Chicks





3"-4"; full sun to light shade. A robust mid-sized hen and chick, 'Ruby Heart' displays vibrant silver-blue evergreen rosettes with rosy red centers which soften to pretty pink during mid

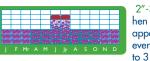
LiveRoof[®] Accent Plant Recommendations



Sempervivum 'Silverine'

(sem-per-vye-vum) 'Silverine' Hen and Chicks

Evergreen



2"-3"; full sun to light shade. This selection of hen and chicks was named for the metallic appearance of the light green, red tipped evergreen foliage. Its rosettes are tight, about 2 to 3 inches across, and turn darker during the

Zone 5

cool months. Like other hen and chicks it flowers during summer with curious blooms held atop leafy floral stalks.



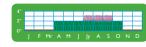




Talinum calycinum (ta-lie-num kal-i-si-num)

Large Flowered Rock Pink.

Deciduous



2"-3"; full sun to light shade. Native to the plains of North America, this unique succulent deciduous wildflower produces 6-inch-tall wire-like stems that carry bright pink, wind-responsive flowers

during the summer months. The flowers are unique in that they open only in the sun, and typically only for about 3-4 hours per day.

LiveRoof[®] LiveRoof Deep and Maxx Systems

The plants in the LiveRoof plant catalog are designed to be used in either the Standard, Lite, Deep or Maxx modules. But, with the Deep System, the customer may also consider using a broader range of hardy perennials to create the look of a more traditional garden setting, or to create a native prairie.

The plant palette for the Deep system is quite broad, provided irrigation is ample (which should always be the case when traditional perennials or prairie plants are used). And, because the plant palette is broad, your LiveRoof grower should be consulted for plant selections. Keep in mind, however, not all perennial plants will work on a rooftop or in 6 or 8 inches of soil. A 10 foot tall grass may not be happy in 6 or 8 inches of soil, and neither will plants that are marginally cold tolerant.

Plants that are expected to perform best in the Deep or Maxx Systems are extremely cold/drought/heat tolerant, smaller to midsized perennials and grasses. At the bottom of the page is a list of such plants.

Also keep in mind the following:

- Irrigation: Irrigation should be considered mandatory. Without it, traditional perennials and natives will struggle to survive in summer, or would be severely stunted. Irrigation should occur frequently enough to prevent wilting, and will vary with site, season, and plant material.
- Fertilizer: Fertilizer will vary with plant selection, exposure, and irrigation practices. Soil should be sampled annually and fertilizer applied as needed.

Perennials and Ground Covers for Deep Modules

Acanthus spinosus

Achillea Selections (Yarrow) Agastache x 'Blue Fortune' (Anise Hyssop) Allium Selections (Ornamental Onions) Amsonia Selections (Blue Star) Anemone hybrida or Anemone tomentosa Selections Arctostaphylos uva-ursi 'Massachusetts' Asclepias tuberosa (Butterfly Weed) Aster novae-angliae (New England Aster) Bergenia purpurascens Calamintha (Calamint Savory) Coreopsis 'Zagreb' ('Zagreb' Threadleaf Coreopsis) Dianthus Selections (Hardy Carnations) **Dryopteris Selections** Echinacea Selections (Coneflowers) Epimediums Geranium Selections Hemerocallis Selections (Daylily) Heuchera Selections Hostas Iris crsistata Liatris (Spike Gayfeather) Liriope spicata (Creeping Lily-turf) Meehania cordata Nepeta Selections Origanum 'Herrenhausen' (Ornamental Oregano) Perovskia Selections (Russian Sage) Phlox divaricata

Phlox paniculata Cultivars Rudbeckia Selections (Black Eyed Susan) Salvia nemorosa Selections (Sage) Sedums (tall selections) Solidago species (Goldenrod) Thymus Selections Veronica Selections Veronicastrum Selections (Culver's Root) Vinca minor (Periwinkle) Waldsteinia ternata (Barren Strawberry)

Grasses for Deep Modules

Andropogon, smaller forms (Big Bluestem) Buchloe dactyloides Legacy® Buchloe dactyloides Prestige™ Calamagrostis Selections (Feather Reed Grasses) **Carex Selections** Chasmanthium latifolium (Northern Sea Oats) Festuca (Blue Fescue) Panicum Selections (Switch Grass) Poa praetensis BELLA Bluegrass™ Schizachyrium scoparium (Little Bluestem) Sesleria autumnalis (Autumn Moor Grass) Sorghastrum nutans Selections (Indian Grass) Sporobolus heterolepis (Prairie Dropseed)

Eco-Turf Options – See tabbed section in this catalog.



LiveRoof Deep System Plants



Acanthus spinosus



Achillea Selections (Yarrow)



(Anise Hyssop)

Agastache x

Blue Fortune'



Allium Selections (Ornamental Onions)



Amsonia Selections (Blue Star)



Anemone tomentosa and hybrida Selections (Windflower)

Arctostaphylos uva-ursi 'Massachusetts'



Asclepias tuberosa (Butterfly Weed)



Aster novae-angliae (New England Aster)



Bergenia purpurascens (Purple Bergenia)



Calamintha (Calamint Savory)

Coreopsis `Zagreb'

(`Zagreb' Threadleaf



Coreopsis)

Dianthus Selections (Hardy Carnations)

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ASK INTERMOUNTAIN ROOFSCAPE **SUPPLY** FOR HELP IN SELECTING THE CORRECT PERENNIALS FOR YOUR **GROWING ZONE**



LiveRoof Deep System Plants

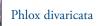


Origanum `Herrenhausen' (Ornamental Oregano)

Perovskia Selections







(Russian Sage)



Phlox paniculata Cultivars



Rudbeckia Selections (Black Eyed Susan)



Salvia nemorosa Selections (Sage)



Sedums (tall selections)





Thymus Selections

Veronica Selections

Veronicastrum

Selections (Culver's Root)

Vinca minor (Periwinkle)

Waldsteinia ternata (Barren Strawberry)

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Perennial Wildflower Sod

Andropogon, smaller forms (Big Bluestem)

> Calamagrostis Selections (Feather Reed Grasses)

Carex selections

Festuca (Blue Fescue)

Karl Foerster

Poa praetensis BELLA Bluegrass™

Schizachyrium . scoparium (Little Bluestem)

Sesleria autumnalis (Autumn Moor Grass)

Sorghastrum nutans Selections (Indian Grass)

Sporobolus heterolepis (Prairie Dropseed)

Native Grass Mix

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