

SEDUM TILE[®] Installation Guidelines

Care Until Planting

After receipt it is important to care for the plant material properly until installation on the roof. It is highly recommended that the plants be installed immediately, but if not there are things you can do to insure that they remain in peak condition.

During warm weather, move plants into a shady location if possible. Keeping plants in a cool location while waiting for further unpacking minimizes stress. Do not leave plants in hot closed storage areas

During cold weather, set plants out of harsh winter wind. Your green roof plants can withstand some frost or light freezing, but should be protected from extreme cold.

Gaylord or Palletized SEDUM TILE[®]

Open boxes or unwrap palletized stacks as soon as possible and spread out the TILE[®] so the plants receive light. (Avoid direct sun)

Once laid out, they can be held until planting for an extended period of time, with occasional watering. (2-3 times per week) Do not allow the TILE[®] to root into the surface below.

Preparing the Green Roof for Planting

After installing the specified green roof components prepare the media for placement of the TILE[®] by leveling and compacting with a rake, screed, roller, or other method. This will reduce settling after installation and assure that the TILE[®] maintains good contact with the media.

To ensure an adequate amount of water is available to plants during the initial establishment period and to aid in the settling of the green roof media, thoroughly saturate the media during its placement and again immediately before installing SEDUM TILE[®].

Planting the SEDUM TILE[®]

SEDUM TILE[®] can be installed over virtually any type of green roof system with good drainage and a minimum depth of 2" - 3" quality growth media.

Place each TILE[®] directly onto the green roof media, ensuring good contact with one another and the growing media below. Take care to keep excessive vegetation from gathering under or between the TILE[®].

Although not mandatory, staggering TILE[®] may be preferred to help reduce edges from drying out and increase the immediate appeal of the planting by lessening obvious straight lines.

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Establishment

SEDUM TILE® becomes established on the rooftop quickly. Within 1-3 weeks, the roots will begin to grow down into the green roof media. After 4-6 weeks, the TILE® should be fully established into the media.

Irrigation

If the soil is watered well before planting, post-planting irrigation needs will be reduced. Overhead irrigation is recommended until the roots are established in the growing media on the roof (4-6 weeks after installation).

- Thoroughly water TILE® immediately after installation.
- Deliver $\geq \frac{1}{4}$ " water (including natural precipitation), 2 times per week for the first 2 weeks.
- Deliver $\geq \frac{1}{4}$ " water (including natural precipitation), 1 time per week for the next 2-4 weeks.

DO NOT OVERWATER

Weeding

SEDUM TILE® is a very effective mulch, so there should not be much need for weeding a green roof planted with TILE®. Hand pull any weeds that do appear to prevent them from spreading. Areas of exposed soil at penetrations, details, and edges will be more susceptible weed germination and growth. Dead flowers can be removed after blooming if desired.

Wind Protection

If a green roof is planted in a windy location, or during stormy seasons, it is recommended that wind protection be used during establishment. This is especially important during late fall or early winter, when roots may take longer to grow into the roof media.

Long-Term Maintenance

Maintenance after establishment of SEDUM TILE® is minimal. It is recommended that a site visit be conducted by a plant professional a minimum of twice annually to assess the condition of the green roof.

Irrigation

Once the TILE® is established, irrigation can be by drip, overhead, automatic, manual, or whatever suits the project. Extended irrigation requirements are dependent upon project location, conditions, and plant selection. It is recommended that if a permanent irrigation system is not installed, that a backup system (such as hose bibs located on the roof) be available for use during prolonged periods of drought (>4 weeks with less than a total of $\frac{1}{4}$ " precipitation).

Fertilization

An extensive green roof can be quite successful without fertilization. In addition, the application of fertilizer may be counter to the reasoning behind installing a green roof. Over-fertilization can encourage weeds and vulnerable growth in plants. If fertilizer is to be used, a slow release, organically based, balanced fertilizer can be applied at a low rate. One application per year (in the spring) for the first 2-3 years should be sufficient. After that, the plants will self-nourish on their own.