



SEDUM TILE[®] Mat Installation, Care & Maintenance Guidelines

Care Until Planting

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

During warm weather, move plants into a shady location. 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.

If pallets will be sitting more than 3 days, unwrap palletized stacks and spread out the tile so the plants receive light. 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 tiles 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 ensure that the tile maintains good contact with the media.

Thoroughly saturate the media during its placement and again immediately before installing SEDUM TILE[®] Mats to ensure adequate water is available to plants during the initial establishment period.

Planting the SEDUM TILE[®] Mats

SEDUM TILE[®] Mats can be installed over virtually any type of green roof system with good drainage and a quality growth media engineered for green roofs. Growth media should be a minimum depth of 2" but 4" is recommended. 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 tiles. Although not mandatory, staggering the tile may be preferred to help reduce edges from drying out and increase the immediate appeal of the planting by lessening obvious straight lines.

Establishment

SEDUM TILE[®] Mats become 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 (2-3 weeks after installation).

- Thoroughly water tile immediately after installation
 - Deliver at least ¼" water (including natural precipitation), 2 times per week for the first 2 weeks
 - Deliver at least ¼" water (including natural precipitation), 1 time per week for the next 2-4 weeks
- DO NOT OVER WATER

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 to 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 access the condition of the green roof.

Irrigation

Once established, irrigation can be by drip, overhead, automatic, manual or whatever suits the project. Extended irrigation requirements are dependent on project location, conditions, and plant selection. It is recommended that if permanent irrigation is not installed, a backup system (ex. hose bibs located on the roof) be available for use during prolonged periods of drought (more than 4 weeks with less than a total ¼" precipitation). In many regions, that means an established roof can survive with irrigating once a month during the drought season.

For best results, do not overwater SEDUM TILE®.

Fertilization

An extensive green roof can be quite successful without fertilization and over-fertilization can encourage weeds and vulnerable growth in plants. However, sometimes fertilizer can be used to push growth or correct low soil fertility. We recommend an organic, balanced, slow release fertilizer applied at a low rate no more than once a year.

