



Green Roof Repair with SEDUM TILE[®] mats

Repair

Repairing and remediating a green roof with SEDUM TILE[®] mats requires proper preparation and attention to detail. Each green roof site is unique, with different regional environmental conditions, exposures, irrigation and drainage variations.

Below are some key points to help you be successful:

- Remove all plant material including weeds and moss from the area to be repaired. If there is clover, be sure to remove all the media beneath and around the clover to avoid leaving any root pieces that may regrow. Scrap, rake or sweep the weeds and moss to remove it from the roof. Be careful not to spread it over other areas of the green roof when removing.
- Carefully rake areas of bare media to loosen a ¼"- ½" for better soil contact with the cuttings for better rooting. Be careful not to puncture the waterproof membrane.
- Add additional green roof engineered media to fill-in holes and low spots and level the area if required.
- Verify the irrigation system provides the necessary coverage . Check prevailing wind direction and identify.
- Fully saturate the media before adding Sedum cuttings. This may take multiple applications. Do not plant on dry soil.
- Place each tile directly onto the green roof media, ensuring good contact with one another and the growing media below. Take care to keep the excessive vegetation from gathering under or between the tiles.
- Thoroughly water the SEDUM TILE mats into the media with overhead irrigation.

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

- Thoroughly water tile immediately after installation.
- Deliver at least $\frac{1}{4}$ to $\frac{1}{2}$ inch water (including natural precipitation), 2 times per week for the first 2 weeks.
- Deliver at least $\frac{1}{4}$ to $\frac{1}{2}$ inch water (including natural precipitation) 1 time per week for the next 2 to 4 weeks.
- DO NOT OVER WATER

Weeding

SEDUM TILE mats are 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 spreading.

Long Term Maintenance

Maintenance after establishment of SEDUM TILE mats 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 the tile is established, irrigation can be drip, overhead, automatic or manual. Long term irrigation requirements are dependent upon project location, climate, conditions, and plant selection. It is recommended that if a permanent irrigation station is not installed, that a backup system (such as hose bibs located on the roof) be available for use during prolonged periods of drought (more than 4 weeks with less than $\frac{1}{4}$ " of 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 mats.

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.

