



Sky Garden Ltd, 7 & 8 Keil Close, High Street, Broadway, WR12 7DP

01242 620 905 [www.sky-garden.co.uk](http://www.sky-garden.co.uk)

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## Installation Guidelines

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The guidelines below give a general installation procedure for Sky Garden supply only green roofs.

### Step 1



Ensure the roof is complete and water tight. Check the roof is a safe working environment.

### Step 2



Place protection fleece roll onto roof and lay over waterproof layer in strips from one side of the roof to the other, all the way to perimeter. Start roll again next to previous length of fleece but overlap by 100mm.

If a river stone border is being used, place the bags along a perimeter of 1 bag per 800mm. Hand place pebbles evenly along border at a width of 300mm.

### Step 3



Roll out the drainage board onto roof ensuring a continuous drainage layer is created. Cut drainage board at perimeters of roof leaving a neat edge. If river stone edging is being used at edge, leave a 300mm border between drainage layer and perimeter. Where protruding skylights etc. come through the roof, cut the drainage board up to it and cut around to form neat edge. Be careful to NOT damage the water proofing layer.



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## Step 5

Lay the blanket over the substrate, ensuring each piece is butted tightly to the next. Cut rolls at roof perimeters and use extra pieces to complete roof. Use any substrate left to fill any bare patches that may be present on the blanket.



**Sedum / Wildflower blanket is a live product and must be unloaded and watered immediately upon installation. If watering is not implemented immediately and for the first 12 weeks in situ, Sky Garden cannot take responsibility for the growth and success of the vegetation. This is especially important during the period May to September each year. For pitched roofs over 7.5 degrees we would recommend the installation of a permanent irrigation system.**

## Installation notes

- The live material must be unloaded immediately and installed within 48 hours of delivery to site.
- Ideally, the supporting build up of drainage layers, filter sheet, substrate and any hard landscaping should be completed before the live material is installed, minimising the vegetation stand time.
- The optimum period to install a wildflower system is late September/early October, and late March/early April. Extra care must be taken during the months of June, July and August to ensure the roof is not overheated. Extra irrigation requirements may be required during summer months, these are discussed below.
- In high wind conditions it may be necessary to temporarily pin the wildflower blanket down through to the drainage board or wire tie each blanket, being careful to avoid damaging the waterproofing layer.



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- The installed Green Roof system must be thoroughly watered in, initially at a rate of 10-15 litres/m<sup>2</sup>. Irrigation should take the form of complete system saturation at least once a week in the first 12 weeks following installation. These same steps should be taken during prolonged periods of hot and dry weather.
- Should temporary irrigation be in place we recommend the following:
  - Regularly check that the sprinklers are correctly positioned, prevailing wind may affect coverage.
  - Regularly check that the tank water is suitable for the roof irrigation.
  - In the event that the water becomes contaminated, turn off the irrigation immediately and drain the system.
  - Regularly check that the submersible pump remains submerged in the tank
  - Do not operate the pump out of the tank, this will cause the pump to fail
  - With the onset of winter, the system will need to be drained and decommissioned