

Basic green roof



Extensive green roofs consist of a thin substrate layer and a layer of moss, sedum vegetation, which may be supplemented with herbs and grasses. Besides moss/sedum vegetation, special grasses and herbs can also be planted; the drawback is that in summertime they often dry out and turn yellow. However, after a rain shower these plants restore. The cooling capacity of dried roofs in summer is less.

Below the substrate layer there is a drainage layer or drainage system, then a root-resistant layer, and below this the roof construction and insulation.

Moss/sedum plants are very suitable, as these plants have the capacity to store large quantities of water and are thus able to survive prolonged dry spells. Moss/sedum roofs also do not require an irrigation system. Green roofs need to be checked annually for seedlings of larger plants such as trees; these must be removed, as they can damage the waterproof membrane.

- 1 vegetation
- 2 light substrate
- 3 drainage layer
- 4 protection and storage mat