



Instantly creates a fully grown green area

LivingRoof is a green roofing system based on pre-planted, clip together cassettes that can be easily laid onto the surface of any roof.

The unique lightweight cassette system is planted with various types of sedum plants (including Album, Spurium, Acre and reflexum) and has a special substrate made of volcanic rock, for rainwater retention and drainage.

Additional benefit of this system is that the cassettes can be quickly and individually replaced. This allows the sedum roof to be designed according to your requirements and can easily be kept in its best shape.

A green-covered roof offers a number of advantages over a conventional roof. The planting improves air quality through CO2 reduction and also captures fine particulate matter.

UV-rays no longer reach the roof covering, which significantly extends the lifespan of the roofing material. The sedum cassette system also protects the roof from harsh weather and, with its water retention capabilities, reduces the risk flash floods.

LivingRoof can be installed on any type of roof. In the case of flat roofs and roofs with an inclination of up to 20% (10 degrees) no additional fixing measures are required.

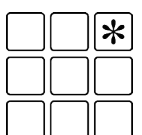
For roof inclinations of 20% and above, additional measures should be taken to anchor the cassettes to the roof. Because of the limited weight and dimensions of the cassettes, the system can also be very easily applied to garages, dormers, extensions and garden houses

Features

- Supplied fully planted in sedum specific soil, over a pumice and volcanic rock substrate for drainage and water retention
- Can be customised with different plant varieties
- In temperate climates no watering is required
- Easy and fast installation through an interlocking cassette system
- Suited to all types of roofs, can be integrated with photovoltaic panels and wind turbines
- Easy to remove and replace in the event of roof repairs

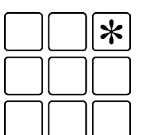
Benefits

- Reduces heat dissipation in winter and contributes to heat insulation effect in summer
- Relieves the waste water system during heavy downpours
- Has noise-reducing properties
- Extends the lifespan of the roofing material
- Increases biodiversity
- Contributes to reducing CO2
- Reduces fine dust
- Increases the value of the building
- Low maintenance



Technical Specifications

Dimensions:	Our modular system is based on plant cassettes 54x54x9 cm = 0.29 m ² . Conversion rate: 3.44 cassettes per m ²
Weight:	About 38 kg/m ² dry and approximately 58 kg/m ² when fully saturated with water.
Water retention:	The cassette is partially filled with a substrate for drainage and retention of water. The average water capacity is approximately 20 l/m ² . If required, the water buffering capacity can be increased via the installation of one of the various types of water buffering layer available the market under the cassette.
Roof protection:	We recommend laying a root resistant, permeable foil before laying the LivingRoof cassettes.
Fixing:	No additional fixings are required when installing a LivingRoof system on flat roofs and roofs with a gentle slope (up to 20% or 10 degrees). Installation to roofs with a greater inclination angle is possible, however we recommend employing fixing devices such as L - profiles.
Cassette material:	The cassette is made of regenerated, non-toxic polypropylene
Planting:	The vegetation layer is a mixture of various types of cultivated sedum (including Album, Spurium, Acre and Reflexum).
Finishing:	Gravel should be applied on the outer edges of the roof and around skylights and discharge pipes in order to promote the microclimate and limit the infiltration of air currents below the cassettes
Irrigation:	In temperate climates irrigation is usually unnecessary. In extreme cases of drought (more than 4 weeks) irrigation is recommended.
Maintenance:	Should be carried out once or twice a year including: <ul style="list-style-type: none">• General check• Fertilise in spring with sedum fertiliser• Prune overgrown plants and dispose of weeds• Fine cuttings can be left on the roof





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