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# Mobiroof Extensive green roofs

Mobiroof is instant extensive Green Roofing system. It is especially suitable for roofs that are not able to support a full roof garden. Mobiroof is a clip together cassette system that can be easily laid onto the surface of a roof. Almost instantly a closed fully grown in area is created with insulation properties. In the summer the temperature in the building will be markedly less because the sun will not heat the roof anymore, but will encourage the plants in the Mobiroof cassettes to grow instead.

Beside insulation properties, a Green Roof has a number of benefits not found with a conventional roof. The planting improves air quality by CO<sub>2</sub> reduction and also captures fine particles. UV radiation no longer reaches the roofing materials thereby considerably extending the life of the roof.

Mobiroof can be applied to flat roofs and roofs with a slope up to 20 degrees. Above 20 degrees, additional measures must be taken to secure the cassettes. Because of the weight and dimensions of the cassettes, the system can very easily be applied to garages, dormers, extensions and sun houses.

The Mobiroof cassettes are cultivated with several types of Sedum (including album, spurium, acre and hispanicum) and Mesembrianthemum cooperi. The cassette is filled with water retaining stones.

## Benefits at a glance

- Quick and Easy installation
- Suitable for most surfaces
- Can be cut to size on site
- Advanced system: Supplied with substrate for plants and pumice and volcanic rock for drainage and water retention.
- Weed Free Sedum
- Insulating properties in summer and winter
- Low maintenance
- Easy access to roof surface
- Extends the life of the roof
- Helps to reduce CO<sub>2</sub>
- Captures fine particles



# Assortment



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## Product Range



**Mobiroof Cassette**  
Size: 54 x 54 x 9 cm



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4.2.2

## Mobiroof: Technical data

**Cassettes materials:** The cassette is made of recycled non-toxic polypropylene.

**Dimensions:** Outer dimensions 540mm x 540mm x 90 mm (= 0.29 m<sup>2</sup>).

Conversion rate: 3.44 cassettes = 1 m<sup>2</sup>

**Water retention:** The cassette is partially filled with pumice (4/8 mm for drainage and water storage).

The water absorption is about 10-12 l/m<sup>2</sup>. This can be increased by the installation of various types of water buffering layer under the cassettes.

**Planting:** The top layer consists of a mixture of volcanic lapillo and organic material with six cultivated Sedum species (including album, spurium, acre and hispanicum) and Mesembrianthemum cooperi.

**Weight:** Maximum weight is 42-46 kg/m<sup>2</sup> in dry and about 52-58 kg/m<sup>2</sup> fully saturated.

**Finishing:** On the edges of the Mobi roof and against gutters a layer of gravel can be put down to improve the micro climate.





**Roof pitch:** Mobiroof can both be used on flat roofs and on roofs with a pitch of 20 degrees without extra fixings. Application to roofs with a greater pitch is possible using extra fixings.

**Roofing:** If the roofing material underneath the cassettes is not root resistant, a root stop foil or mat should be installed before laying the Mobiroof cassettes.

**Irrigation:** Irrigation in the N-E European climate zone is usually unnecessary. In extreme droughts (more than 4 weeks), irrigation is required.

**Maintenance:** Maintenance should be carried out once or twice a year. Fertilizing in the spring, pruning the sedum in mid October and general “tidying up” is all that is required.

**Delivery:** The MobiRoof cassettes come stacked on pallets and should be removed from the pallet and used immediately after delivery.