



4.1.3

MobiRoof

The simplicity of a green roof

MobiRoof is a ready-made, extensively green roofing system. It is especially suitable for roofs that are not treated. MobiRoof is a clip together cassette system that can be easily laid onto the surface of a roof. Almost instantly a closed fully grown area is created with insulation properties. MobiRoof creates instant green results.

A solid 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 protects the roof from harsh weather

MobiRoof can be installed on flat roofs and roofs with an inclination of up to 20% (10 degrees). Above 20%, additional measures should be taken to secure the cassettes. Because of the weight and dimensions of the cassettes, the system can also be very easily applied to garages, dormers, extensions and garden houses.

The cassettes are cultivated with multiple types of Sedum (including Album, Spurium, Acre and reflexum). The cassette is filled with a water retaining substrate.



4.1.1



4.1.2

The benefits

- Easy and fast installation through universal cassette system
- Problem-free installation
- Suited to many surfaces
- Can be customised
- Advanced system: Supplied with substrate for plants and pumice and volcanic rock for drainage and water retention
- Insulating properties in summer and winter
- Low maintenance
- Easy removal and replacement during repairs to the roof
- Extends the lifespan of the roofing material
- Contributes to CO₂ reduction
- Sound insulation
- Increases biodiversity



Available Range



MobiRoof cassette

Dimensions: 54x54x9 cm

Technical specifications



Cassette material: The cassette is made of regenerated non-toxic polypropylene.

Dimensions: Outside dimensions of the cassettes are 54x54x9 cm (= 0.29 m²). Conversion rate: 3.44 cassettes in 1 m².

Water Retention: The cassette is partially filled with a substrate for drainage and retention of water. The minimum water capacity is approximately 20 litres/m². The water buffering capacity can be increased by installation of various types of water buffering layer under the cassette.

Planting: The vegetation layer is a mixture of various types of cultivated sedum (including Album, Spurium, Acre and reflexum).

Weight: The weight is about 38 kg/m² dry and approximately 58 kg/m² when fully saturated with water.

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 influence of the wind below the cassettes.



Roof pitch: No additional fixings are required when installing a Mobiroof system on flat roofs and roofs with a gentle slope (up to 20% or 10 degrees). Application to roofs with a greater inclination angle is possible, but then an extra fixing has to be applied, such as, for example, an L - profile.

Roof protection: If root-proof roofing has not been applied to the roof, then a root-resistant permeable foil should be installed before laying the MobiRoof cassettes.

Irrigation: Irrigation in the North-East European climate zone is usually unnecessary. In extreme cases of drought (more than 4 weeks) irrigation is required.

Maintenance: Should be carried out once or twice a year including:

- General check
- Removal and disposal of unwanted plants (weeds)
- Fertilise in spring with sedum fertiliser
- Prune overgrown plants, mostly from mid-September. Fine cuttings can be left on the roof and large pieces must be removed.

Delivery: The MobiRoof cassettes are stacked and delivered on pallets which should be offloaded or processed immediately after delivery.

STABU Specifications text *

33 ROOF COVERINGS

33.36 ROOF GREENING

33.36.29-a CONSTRUCTION, LANDSCAPING AND MAINTENANCE

0. CONSTRUCTION Green Roof

Preparation:

- depending on roofing root resistance
- applying vapour permeable root protection foil Climate Conditions during the application:

- Minimum outside temperature: 0 °C

1. LANDSCAPING

Supplier:

Type: MobiRoof, Ready-made green roof

Planting: 4-6 Sedum species mixed per cassette

Cassette: regenerated Polypropylene,
dim. 540x540x90 mm with click system

Quantity: 3.44 cassettes per m²

Weight, water saturated: 58 kg/m²

Structure: substrate, Sedum Planting for farmed

2. MAINTENANCE

Fertilisation:

- the application of a long-acting fertilisation
- Frequency: one time in spring
- Quantity: at the direction suppliers fertilisation

Pruning:

- Pruning/flipping faded inflorescence
- Frequency: 1 once a year in mid-September

.01 FLAT ROOF

1: ROOF GREENING OF FLAT ROOFS AND ROOFS THAT SLOPE UP TO 20 PERCENT.

* Standard specification texts are also available in RAW system. All technical specifications can be downloaded from our website mobilane.co.uk.

