



**MOBIROOF ECO**





MobiRoof ECO is a ready-made green roof system that consists of a plant cassette filled with substrate and available with two selections of plants. The cassettes are easily placed against each other, creating a green roof immediately. MobiRoof ECO is an extensive green roof system suitable for flat roofs and roofs with a slope angle of up to 10 degrees (20%) and always remains movable. MobiRoof ECO is a circular green roof system. The cassette is made of recycled material and fully recyclable. This reduces environmental pressure and reduces waste flow. The cassettes are pre-grown locally with cuttings from our own nursery.

### BENEFITS

- Collection and buffering of rainwater
- Stimulates biodiversity
- Insulating and sound-absorbing effect
- Extends the life of the roof
- Aesthetic value
- Increases the value of real estate.
- Increased efficiency of solar panels
- Eligible for subsidies and tax breaks

### FEATURES

- Ready-to-use cassette viable with two selections of plants
- Lightweight green roof system
- Ready for use as roof cover
- Easy to install and replace
- Water retention of 20 litres per m<sup>2</sup> (optional 40 litre per m<sup>2</sup>)
- Sustainably and locally produced.
- Circular, recycled and fully recyclable
- Low maintenance
- Can be used on both flat and slightly sloping roofs

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### TECHNICAL INFORMATION

#### CASSETTE MATERIAL

The cassette is made of regenerated non-toxic polypropylene (PP) produced in the Netherlands.

#### DIMENSIONS

The external measurements of the cassettes are 50 x 50 x 6 cm (=0.25 m<sup>2</sup>). 4 cassettes therefore fit into 1 m<sup>2</sup>.

#### WATER RETENTION

The cassette is filled with a substrate which, in addition to the function of growth medium, ensures drainage and storage of water. The water capacity is approximately 20 litres per m<sup>2</sup>. As a result, the MobiRoof ECO green roof system is eligible for subsidies and tax advantages. The water buffer capacity can be increased by adding a buffer layer under the cassette (optional 40 litre per m<sup>2</sup>).

#### VEGETATION

MobiRoof ECO is available with two selections of plants. MobiRoof ECO - Sedum is provided with 6 to 8 different types of sedums, while MobiRoof ECO - Sedum & Wildflower is provided with the same sedum and a wildflower mix comprised of a variety of flowers, flowering herbs and ornamental grasses (20 to 24 species).

#### WEIGHT

MobiRoof ECO weighs approximately 38 kg per m<sup>2</sup> when dry and approximately 58 kg per m<sup>2</sup> when completely saturated with water.

#### FINISH

Gravel can be added around outer roof edges, roof windows, skylights and drainage piping for example, to stimulate the micro-climate and prevent wind reaching under the cassettes.

#### ROOF PITCH

The MobiRoof ECO system can be applied to flat roofs and those with a slight angle of up to 10 degrees (20%). MobiRoof ECO can be installed as is, with no further action required.

#### ROOF PROTECTION

Apply root-resistant permeable sheeting on the roof before installing the cassettes when the roofing does not include a root-resistant layer.

#### IRRIGATION

Under extreme drought conditions irrigation is recommended.

#### MAINTENANCE

Maintenance work is required once or twice a year. The maintenance tasks are as follows:

- General checks
- Watering
- Pruning
- Fertilizing