installation manual

ECORASTER® GREEN

seeding grass

(ECORASTER® + „thick“ grass = ECORASTER® GREEN)
**Why ECORASTER®?**

- **Quick and easy to install** (about 100 m² per person per hour)
  because it is lightweight (approx. 5 - 11 kg/m² depending on type)
- **Low transport and handling costs**
- **High load capacity** (up to 350 t/m²)
- **Safety locking system**
- **Surface reinforcement with natural drainage**
- **Extremely versatile** thanks to additional components like slope angles, Curvepieces, parking space markers
- **Minimises maintenance**
- **Non-slip and crackproof**
- **Weatherproof and environmentally friendly**
- **Resistant to frost and UV radiation**
- **Easy to fit to borders or cut to shape**

---

**Preparations**

**Determining how much sand, broken stone etc. you need**

Before determining how much chippings / broken stone etc. you need, you should specify exactly the height of the surfaces. With larger surfaces you should work with a spirit level or laser.

Calculate how much you need to fill the grids as follows:

$$0.95 \times \text{area} \times \text{grid height}$$

If you do not build a base layer, surface drainage is not assured. Not only that, movement in the natural soil can cause unevenness. ECORASTER® considerably increases the load capacity of the surface, but it goes without saying that even ECORASTER® will be tested to its limits if the entire ground gives way extensively.

---

**Example: car park**

- **Recomended seeding mix**
  - 20 % Festuca rubra com Rodeo
  - 25 % Festuca rubra Trich. Dawson
  - 20 % Festuca arundinacea Mustang
  - 15 % Lolium perenne Langa
  - 20 % Poa pratensis Cynthia

**Infill material** 70:30 organic topsoil and washed sharp sand or fine gravel

**Levelling layer**

Apply a high mixture of quartz sand, humus and long-time fertilizer then compact it to 3 cm with a roll. Irrigate compacted surface before installing Ecoraster®

**Intermediate layer**

Mixture from 30 – 35 % of humus and
65 – 70 % gravel (5/32 mm or similiar) height approx. 20 cm

**Drainage layer**

Put on broken stone / gravel grain size 5/32 mm or 5/46 mm or 8/16 mm and compact

**Natural soil**

Create an approx. 1 – 1.5 % gradient in the ground
ECORASTER® GREEN

Working with the preconnected grids

ECORASTER® is quick and easy to lay without machinery. The system is delivered in preconnected units of 12 sections and can be taken straight off the pallet and laid in one go.

Installing
To lay the grids, start in one corner of the area. The lugs of the first row must point in the direction you are working in. The subsequent rows are then pressed into the lugs of the laid surface. We recommend to use a plumb line when installing ECORASTER.

Disconnecting
The preconnected sheets can be taken apart if necessary. Lay the sheet you wish to take apart on another sheet and, using your foot, press the tiles you want to remove down and out of the safety locking system.

Fitting – cutting to size
For quick and clean tile cutting, the following tools have proved most effective in practice:
• Circular saw
• Flex (cutting disk)
• Compass saw

As an alternative to earthnails you may also just press down the rear part of the ECORASTER.*

* Direction of travel from left to right
Irrigate surface before installing ECOGREEN®! Fleece from geotextiles reliably prevents mixing up the ground construction layers with the soil.

Only limited suitable for areas which are mainly used by trucks / heavy load.

Tip

For quick and clean cutting to size, a circular saw has proved most effective in practice. For smaller corners which must be cut exactly to size, we recommend that you use a compass saw or strong pruning shears. Do not cut the grids in advance. If possible, lay them over the border and then cut them. Use a small base (slat / board / ECORASTER®) to make it easier to cut.

Accessories

- Parking space markers
  Parking space markers are available in white and can be inserted into the grid without further preparation
- Slope angles
  Universal Slope angle adjustable up to 90°
- Curvepieces
- Ground anchor
- Geotextiles

Care instructions

For a long lasting natural appearance of a green area, measures like fertilize, water and lawn care are indispensable.