



installation manual

ECORASTER® GREEN seeding grass

(ECORASTER® + „thick“ grass = ECORASTER® GREEN)

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 x area x 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.



recomendet seeding mix

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

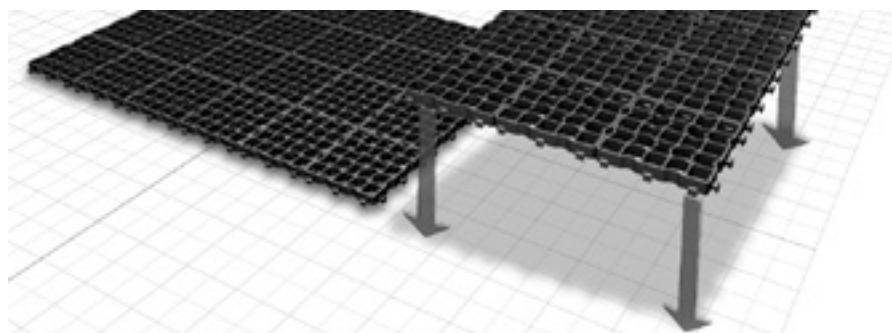
Example: car park



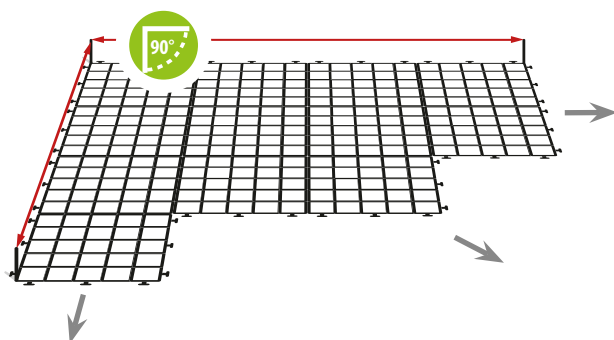
- ◀ ECORASTER®
- ◀ **Levelling layer**
4 cm [1.52 in]
Infill material 70:30 organic topsoil and washed sharp sand or fine gravel
- ◀ **Fertile intermediate layer**
min 20 cm [7.87 in]
fertile substructure
Levelling layer
Apply a high mixture of quartz sand, humus and long-time fertilizer then compact it to 3 cm with a roll. Irrigate compacted surface before installing Ecoraster®
- ◀ **Drainage layer**
broken stone (eg 30/60 – 40/80)
10 [3.39 in] to 40 cm [15.74 in]
the hight is depending on local region
Intermediate layer
Mixture from 30 – 35 % of humus and 65 – 70 % gravel (5/32 mm or similary) height approx. 20 cm
- ◀ **Anti-contaminant geotextile**
Drainage layer
Put on broken stone / gravel grain size 5/32 mm or 5/46 mm or 8/16 mm and compact
- ◀ **Foundation**
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.

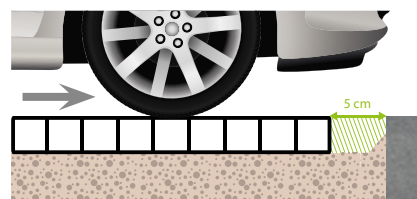
Disconnecting

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.

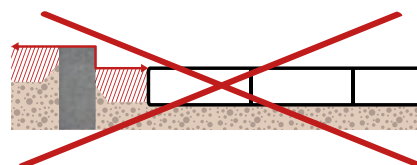
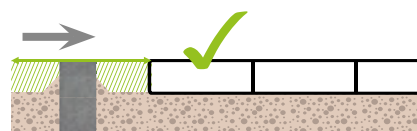
Fitting – cutting to size

For quick and clean tile cutting, the following tools have proved most effective in practice:

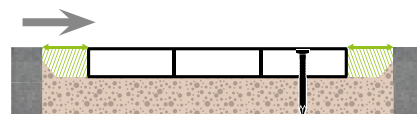
- Circular saw
- Flex (cutting disk)
- Compass saw



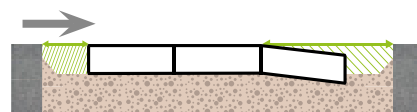
If there should be some kerbstones, make sure to leave a gap of min. 5 cm.*



The ECORASTER System should be installed plain to surrounding edges.*



To avoid surface distortion at the edges caused by the shear forces of cars, the ECORASTER System can be fixed with ground anchors at the rear end of the parking area.*



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

* Direction of travel from left to right

Things to bear in mind!

Irrigate surface before installing ECOGREEN®! Fleece from geotextiles reliably prevents of 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.