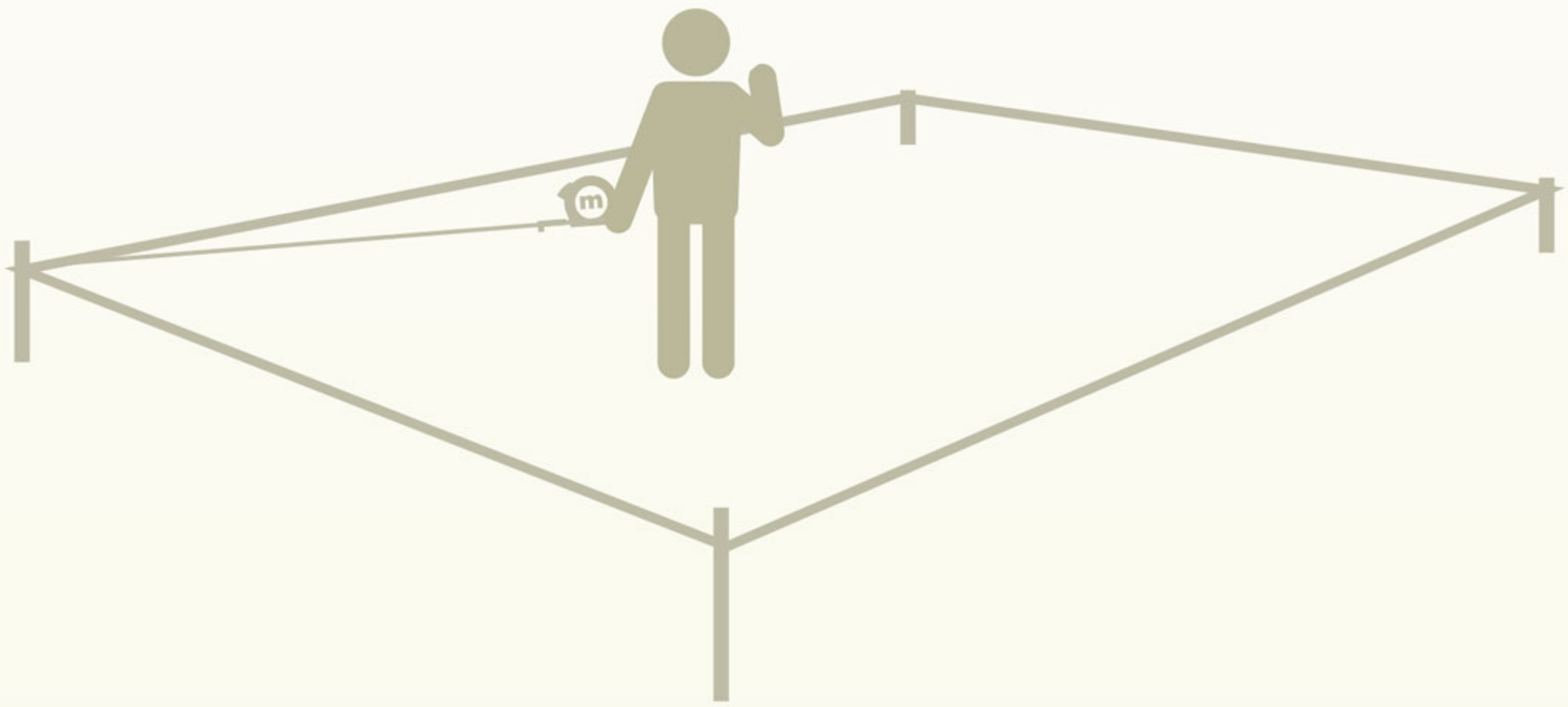
The installation instruction of grass grates N40PRO ECO

DELINEATING AN AREA

1



Mark out the level with a string and pegs.

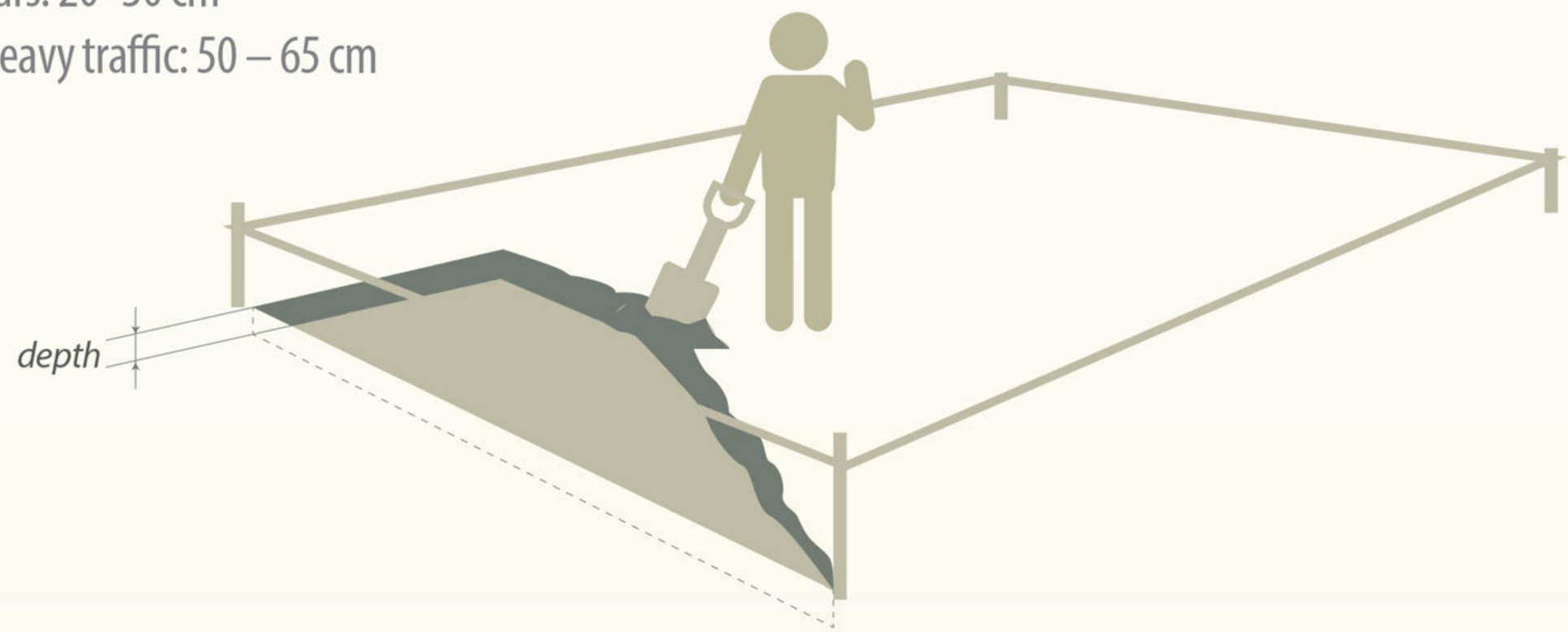
he stability of the surface and resistance to load is guaranteed by a properly made substructure.
The type of foundation should be specified in the construction design.
Correct leveling and compaction of the load-bearing and leveling layer ensures
that the grilles will not be damaged under the wheels of cars.

LAND LEVELING

2

Recommended foundation
height according
to the intended use:

- foot traffic: 2,5 - 5 cm
- cars: 20 -30 cm
- heavy traffic: 50 – 65 cm

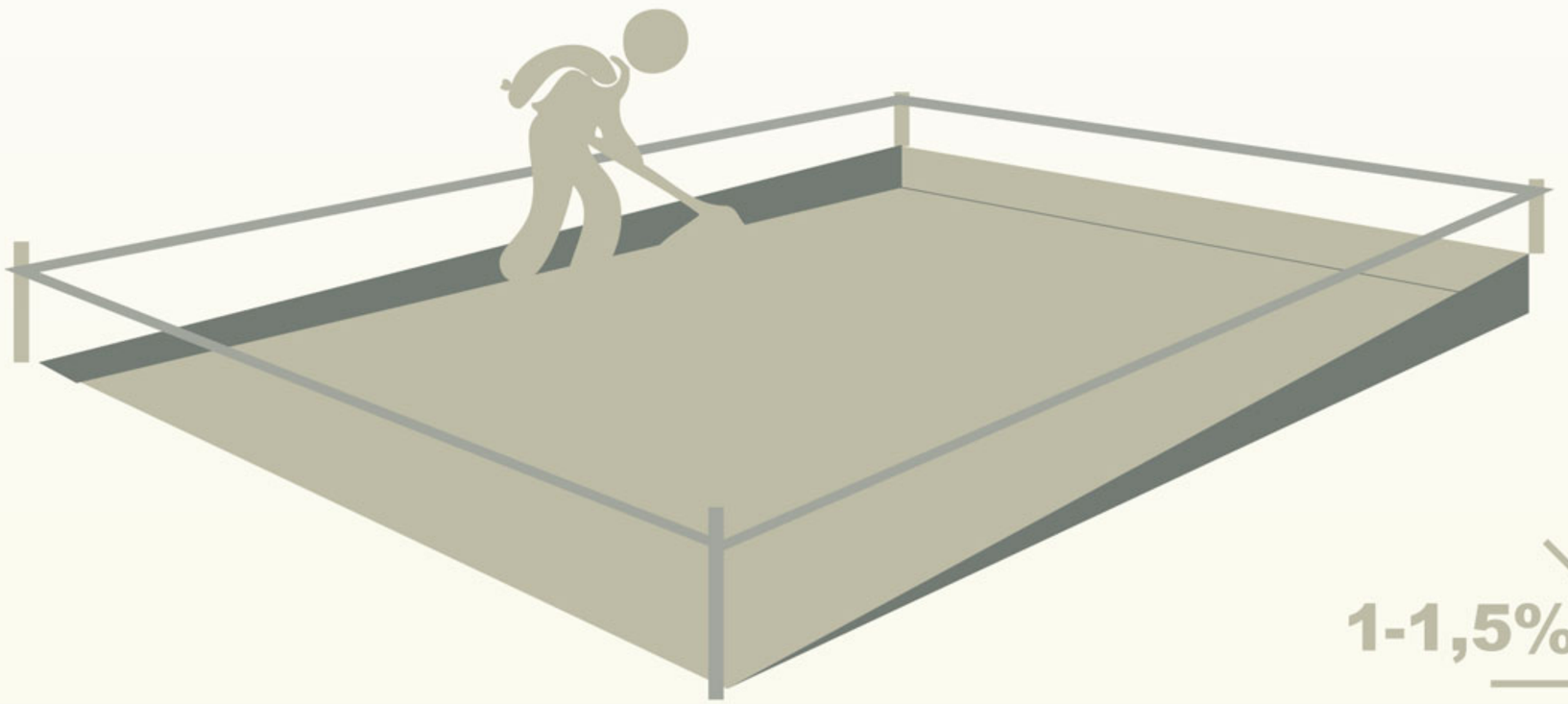


Take out the soil to the depth dependent on the planned supporting layer (depending on load).

The depth of the foundation depends on the intended use of the surface, traffic frequency and regional conditions.
It guarantees the stability of the grilles and resistance to loads. It prevents the formation of ruts.
On less permeable soils (e.g. clay), it should be about 20 cm deeper.

TAKING SLOPE INTO ACCOUNT

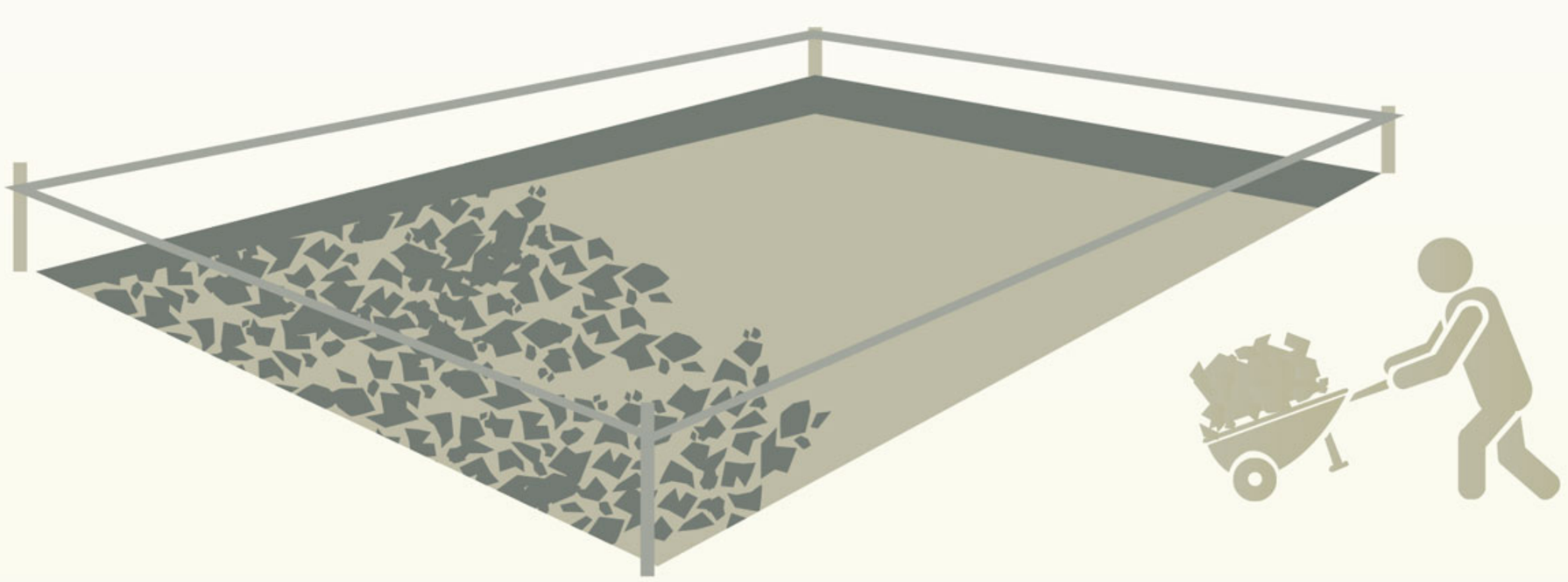
3



Level and concentrate the prepared pit.
Remember to keep 1-1.5% decrease in the chosen side.

PREPARATION OF THE CARRIER LAYER

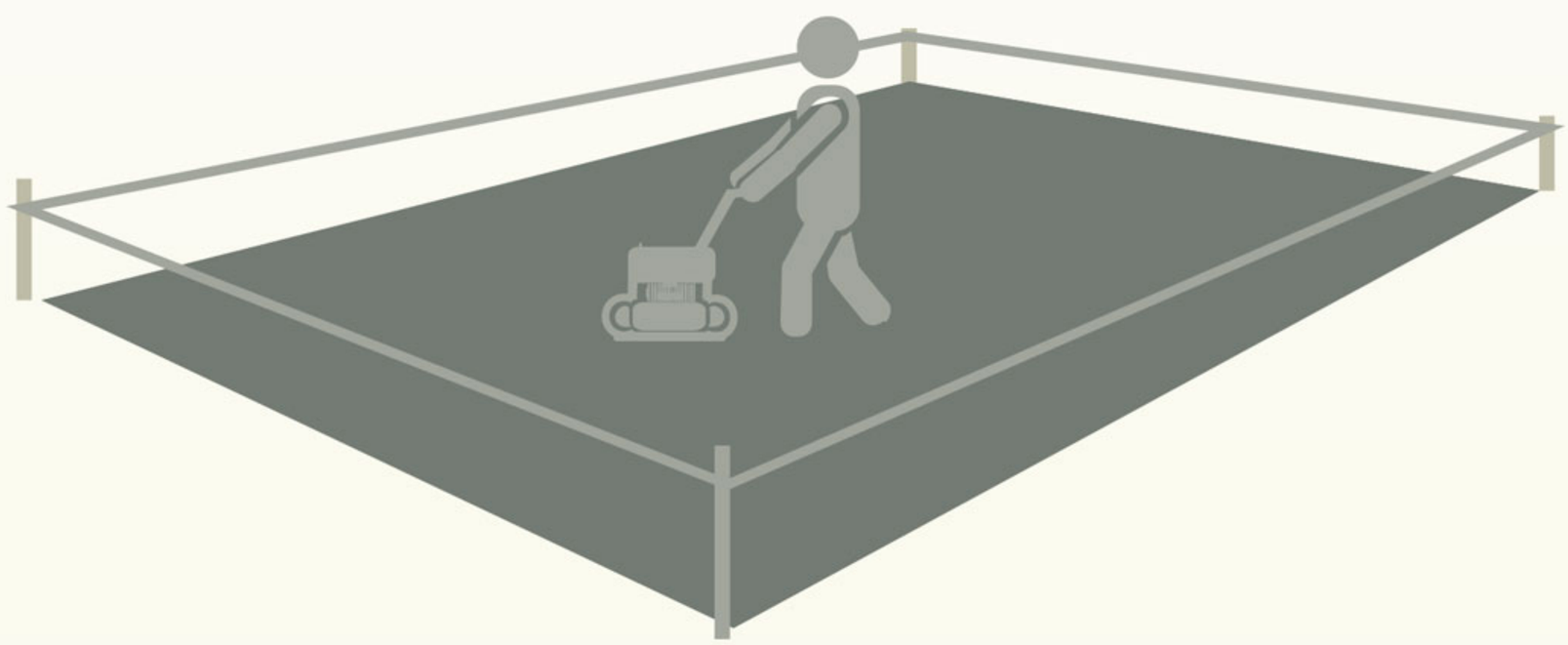
4



Lay and concentrate the supporting layer. For better stabilization of this layer, the investment area can be previously lined with construction fleece or geotextile. Fill the area with a well-drained gravel, crushed stone or dry concrete mixture, and compact it.

LEVELING AND COMPACTING

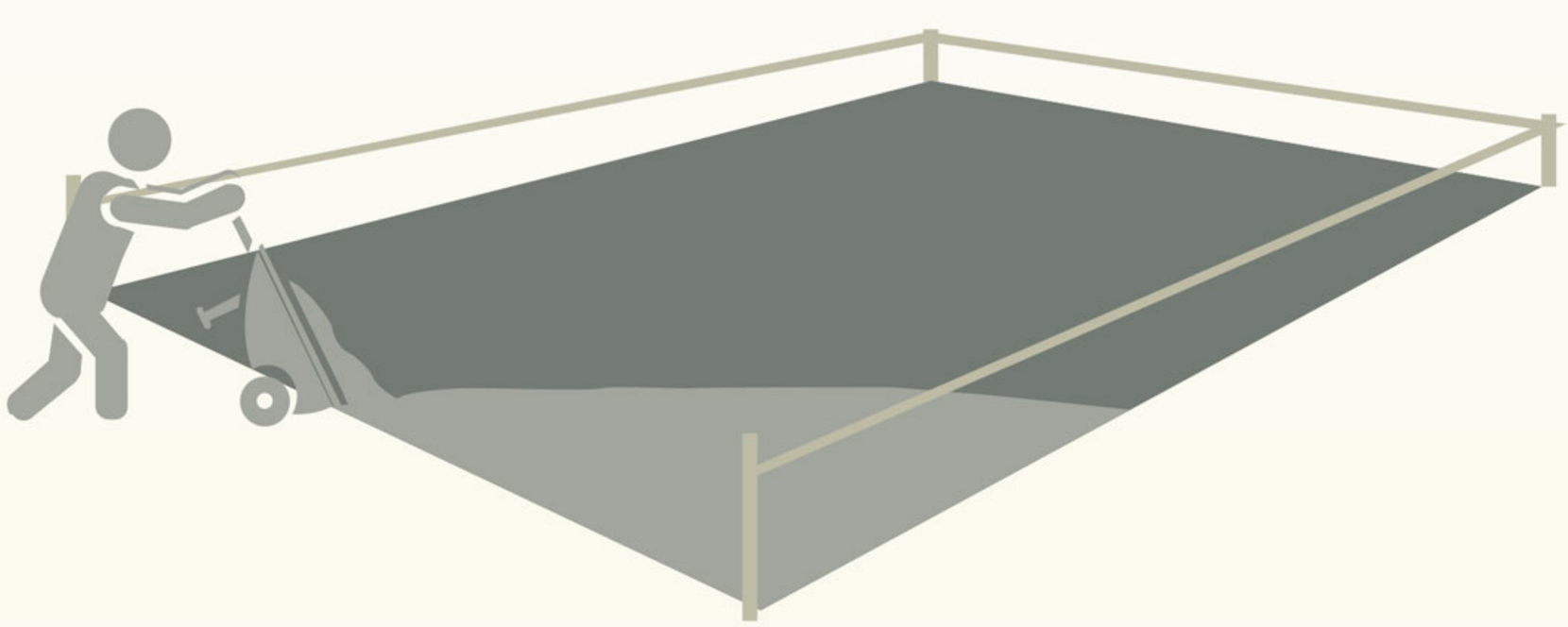
5



The prepared substrate should be leveled and compacted mechanically (with a rammer or a surface vibrator). This layer should be 2.5 cm for light foot traffic to 65 cm for frequent heavy traffic.

LEVELING AND COMPACTING

6



Lay and concentrate the smoothing layer. On the surface prepared in this way, we apply about 2.5 - 5 cm of leveling compound (this layer is applied directly to the compacted surface or to the unfolded non-woven / geotextile).

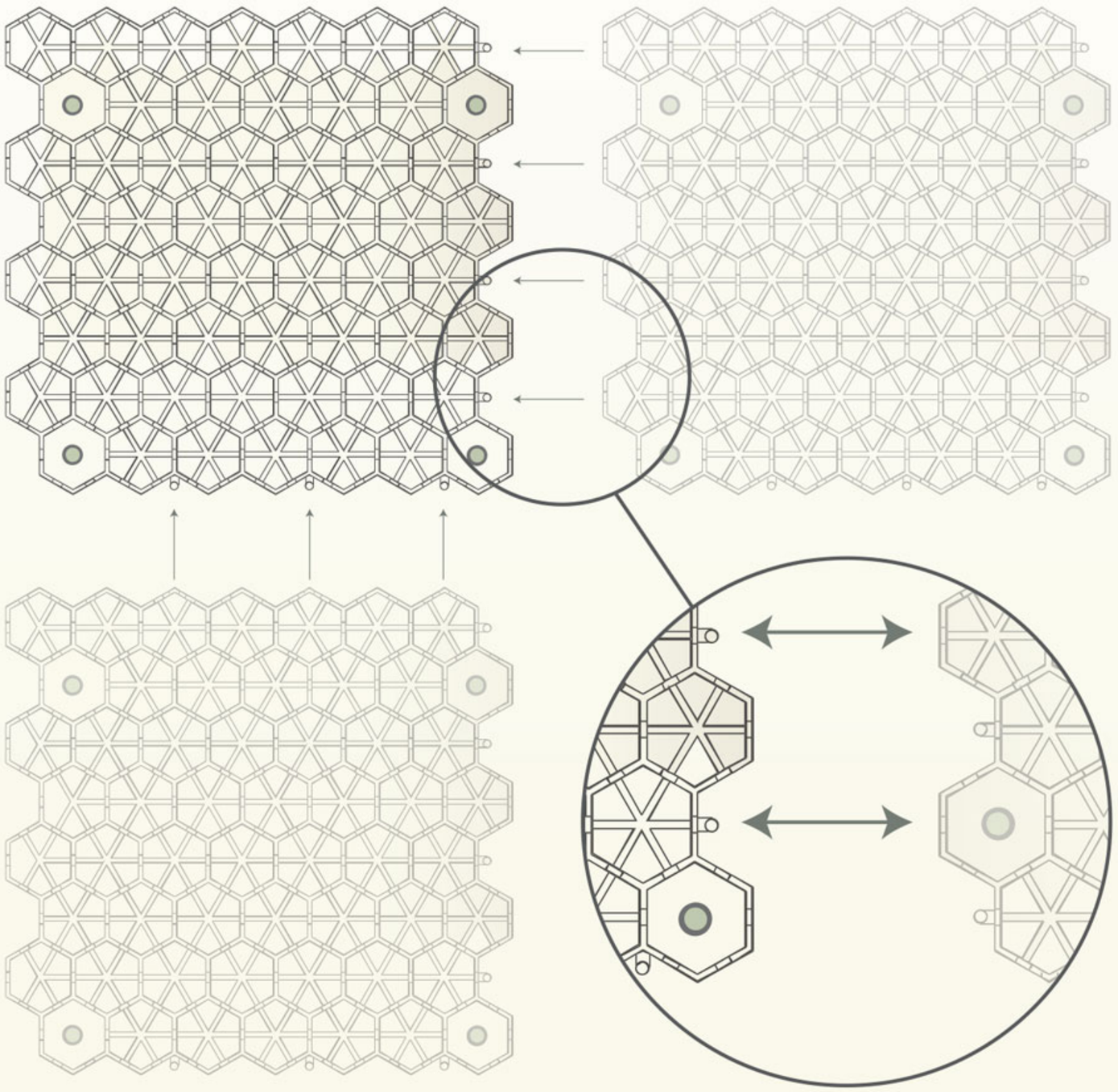
LAYING THE GARDEN GRID DILATATION

7

Place the Garden Grid G1 lawn lattice starting from a corner.
Start laying at the corner of the investment site, leaving a dilatation approx. 2 - 5 cm from the edge.
Press down the grids with your foot or hit with a rubber mallet.
If necessary, the grids can be cut with an eraser or saw blade and adjusted.
Tamp it slightly with a compactor or a garden roller.

GARDEN GRID CONNECTING

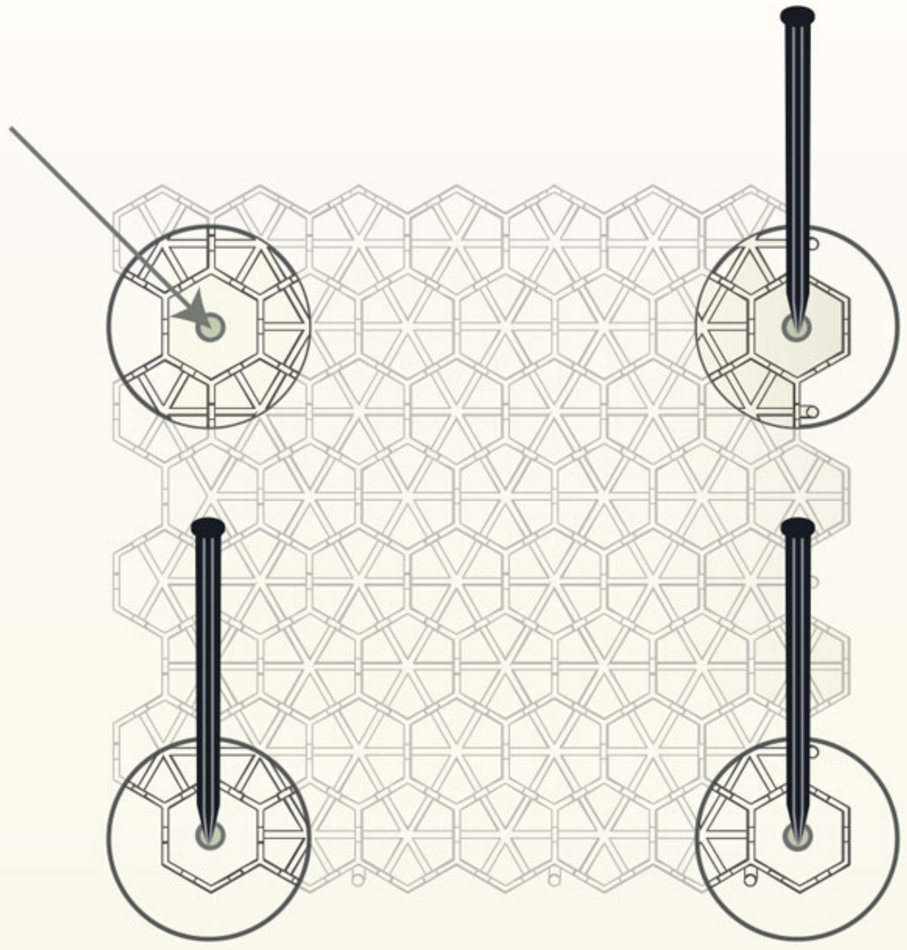
8



When laying the garden grid, pay attention to the mounting brackets and the laying direction.

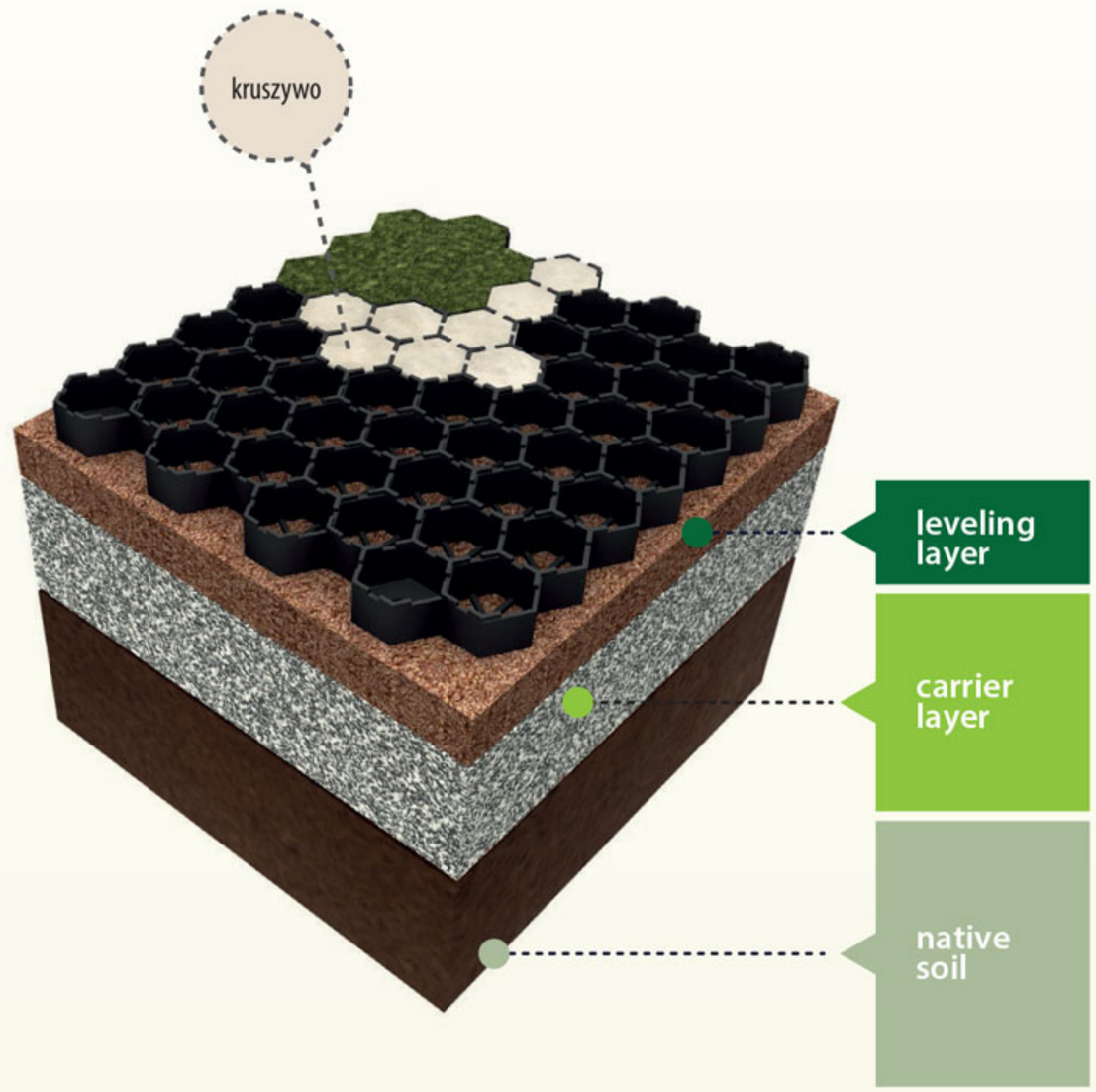
ATTACHING THE GARDEN GRID

9



Drive the mounting anchors into the mounting holes.
It is recommended to fix with anchors, especially on sloping terrain.

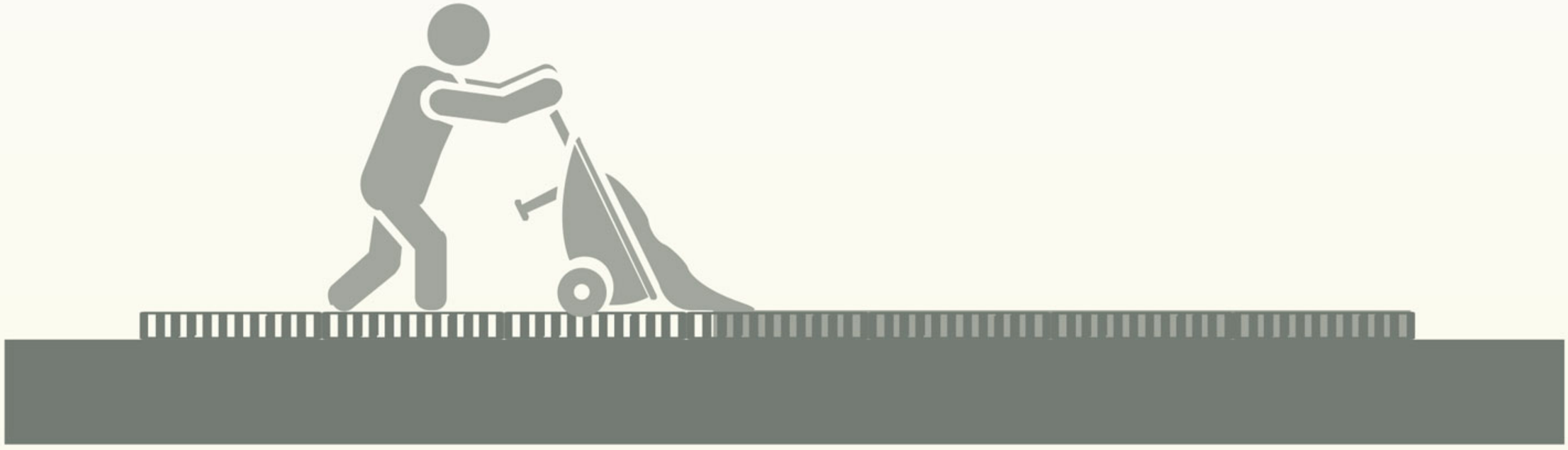
SUBSTRATE CROSS-SECTION 10



Cross-section through properly laid load-bearing layers.

APPLICATION OF SOIL

11

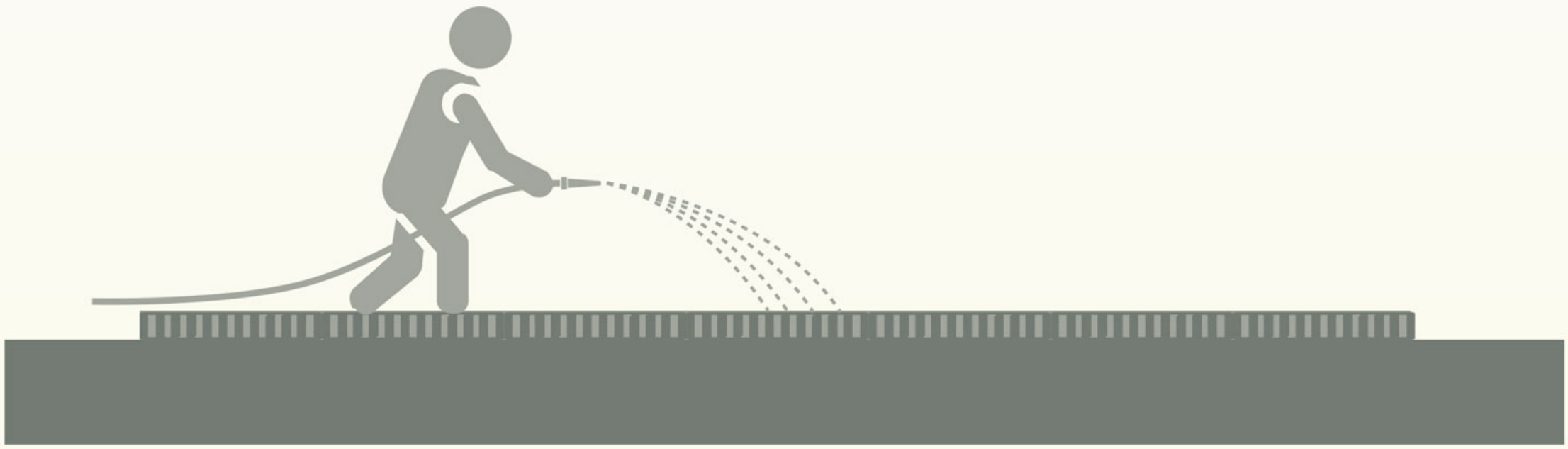


The grids should be filled with rich horticultural soil with a high content of humus with a pH of 5.5-6.5.

The soil should not be too loamy as it will crust up quickly. It cannot be too light (sand) because it will lose water quickly.

INTENSIVE WATERING

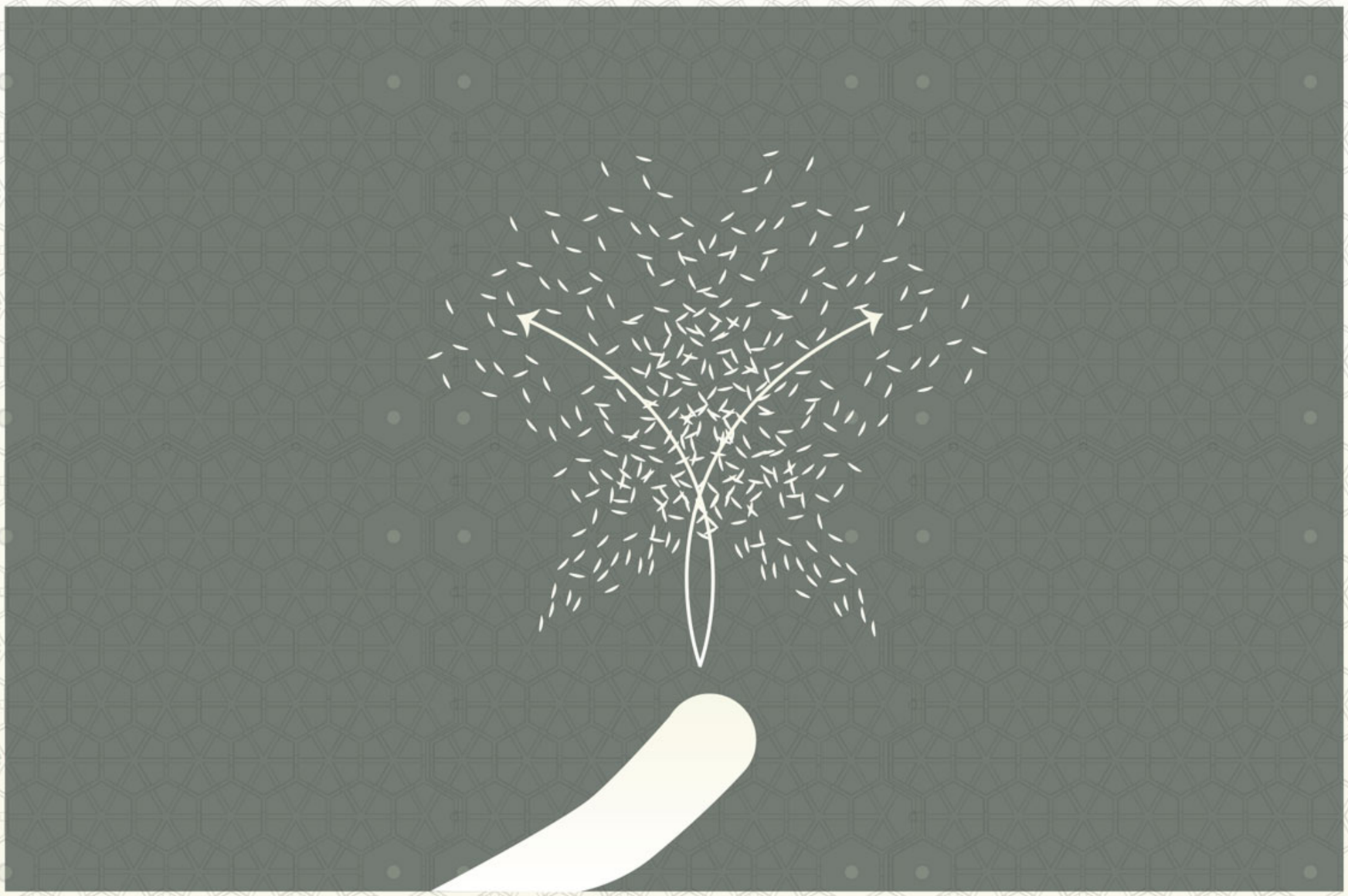
12



After placing the soil in the grate, it should be intensively watered in order to compact it. The soil should be about 0.5 cm below the side of the grate.

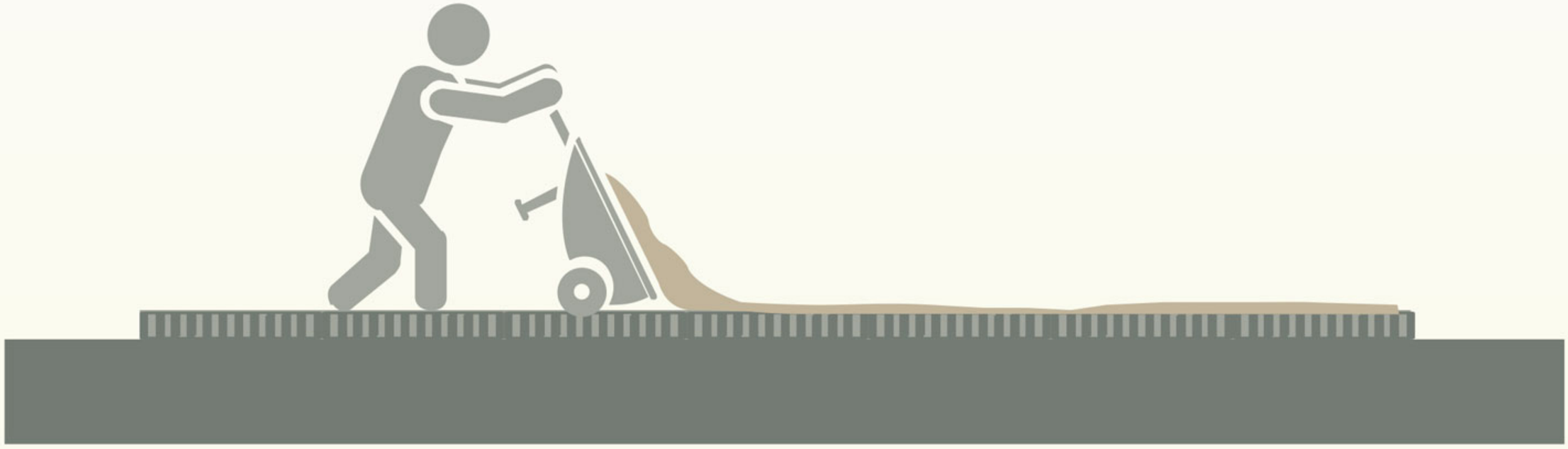
SOWING GRASS

13



Sowing seeds should be done "crosswise", sowing half of the seeds walking along the length and the remaining half walking across.

GRAVEL LAYER 14



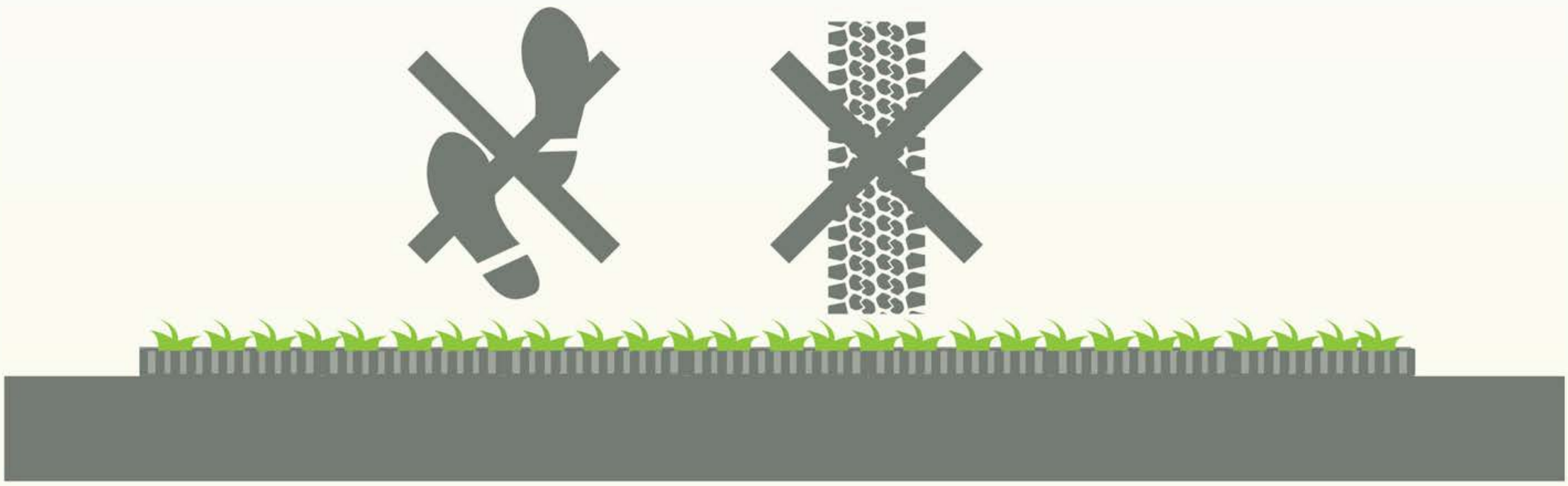
Then cover the seeds by covering the entire surface with sand (granulation 0.6-1.2 mm) a few millimeters thick.

THE EMERGENCE OF GRASS

15

It is important to maintain a constant soil moisture during emergence
and to water it in small doses in the morning. The emergence will take about 3 weeks.

ROOTING GRASS 16



The surface should not be exploited until the grass is fully rooted for 4-12 weeks.

FIRST MOWING OF GRASS

17

The first mowing is possible after the grass reaches about 10-12 cm.
In the first year after sowing, the grass should be mowed high: 4-5 cm.

PREPARATION OF THE SUBSTRATE

18

Carrier layer	cars	surface thickness 20-30 cm	gravel and crushed stone mixture of 0.32-0.45 mm fraction, compacted rucks - surface thickness 50-65
	trucks	surface thickness 50-65 cm	
Eveling layer	layer for grits	surface thickness 2,5-5 cm	a mixture of grit and sand of the fraction 8-12 mm
	layer for grass	surface thickness 2,5-5 cm	sand and perlite compost (recommended)

The manual is illustrative and is based on the EKO-BORD own experience.
Substrate preparation should always be based on engineering recommendations for a given site.

Safefloor ApS

Bjødstrupvej 10

DK8410 Rønde

Tel. +45 86 15 19 25

info@safefloor.dk

SAFEFLOOR