

stilum lawn grating- safety slab

The innovative floor system

The lawn-grating impact protection slabs of stilum is one of the most important inventions in the fall protection systems. The numerous advantages, such as the use in the slope or undulating areas equally convincing planners and operators of playgrounds. Due to the naturally beautiful look almost a decorative lawn coming right, which has become C + K-lawn-grating impact protection slabs established across Europe and in the fall protection to enforce as the plantable alternative.

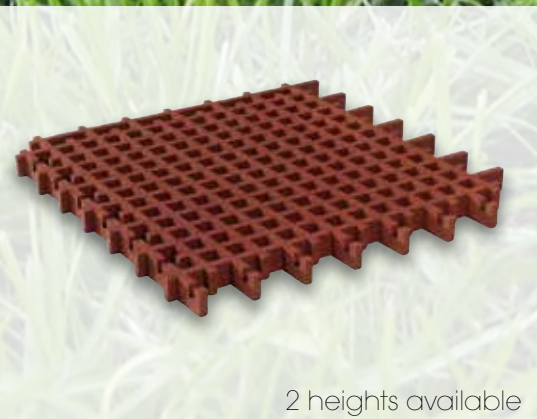
When compared to similar case protection systems, the lawn grating slab is navigable and easy to clean a disabled land greening, well with the bike. With two sizes an falling-heights of 1,5 m or 2,1 m (tested, unfilled on concrete according to DIN EN 1177. The lawn-grating slab has to be installed as described in our installation instructions and to be filled with lawn substrate to ensure the case protective properties) the lawn grating slab covers the fall protection requirements under numerous playground equipment.

The form-fitting connection of the individual elements, as well as the small lawn Chambers prevent a play of topsoil.

- season-and weather-independent game device usage
- No expensive underground or edging work required
- high proportion of grass, natural optics
- ideal fall protection for slopes or slides and hilly areas
- Avoidance of mole
- wheelchair accessible (by wheelchair navigable)
- easy to clean (with the lawnmower navigable)



Fall heights for all requirements



2 heights available

stilum lawn grating safety slabs

Easy installation

INSTALLATION

surface not permanently passable for vehicles:

- remove topsoil
- insert a 3 to 8 cm layer of flint (0-5mm)
- lay the lawn grating grids
- roll the surface (no vibrating plate)
- fill the mats with substrate (0 – 8 mm) and sweep surface with a broom (lawn substrate acc. to DIN 18035 Teil 4/0 – 8 mm basic components pumice, light lava, loess organics*, 125 g per section (slab with 45 mm height), 180 g per section (slab with 65 mm height), acc. to photo 2)
- spread lawn seeds
- water the surface according to the weather conditions
- close area until lawn has taken root

INSTALLATION

surface passable for vehicles:

- remove topsoil
- insert 15 cm of gravel and roll with a motor roller
- insert a 3 to 8 cm layer of flint (0-5mm)
- lay the lawn grating grids
- roll the surface (no vibrating plate)
- fill the mats with substrate (0 – 8 mm) and sweep surface with a broom (lawn substrate acc. to DIN 18035 Teil 4/0 – 8 mm basic components pumice, light lava, loess organics*, 125 g per section (slab with 45 mm height), 180 g per section (slab with 65 mm height), acc. to photo 2)
- spread lawn seeds
- water the surface according to the weather conditions
- close area until lawn has taken root

Dimensions: L 100 / W 100 / H 4,5 cm

Fall height: **1,5 m**

(empty on concrete according to EN 1176-77. The lawn grating slab must be filled with lawn substrate (180 g per panel) as described to ensure the impact protective properties)

Maße: L 100 / W 100 / H 6,5 cm

Fall height: **2,1 m**

(empty on concrete according to EN 1176-77. The lawn grating slab must be filled with lawn substrate (180 g per panel) as described to ensure the impact protective properties)

Technical inspection and maintenance acc. to DIN EN 1176-7

Regular maintenance of surface should include preventive measures in order to guarantee the level of safety and playability required as well as compliance with the relevant part/s of EN 1176. Measures should include:

- maintaining impact-absorbing surfaces
- checking cleanliness
- removing pieces of broken glass and other types of pollution
- adding loose filling material to guarantee the adequate impact-absorbing height
- maintaining free spaces

Inspection intervals:

Visual inspection (visual and functional check), weekly

Operative inspection (wear check), quarterly

Main inspection (in intervals of no more than 12 months), once per year

* Vegetation-specific properties

Constructions acc. to FLL

Granulometry:
Elutriable components
Fine/middle-grained gravel
Volume weight
Anlieferzustand EN 1097-3
bei max. Wasserkapazität

Water/air supply compressed

Maximum water capacity
Water permeability mod. K

ph-value

Salt content

Composition

Natural product (igneous stone composite, different classes for topsoil and subsoil) made up of augite, olivine, magnetite, limonite, Bionit, different types of clay

lawn-carrying layer 0/8

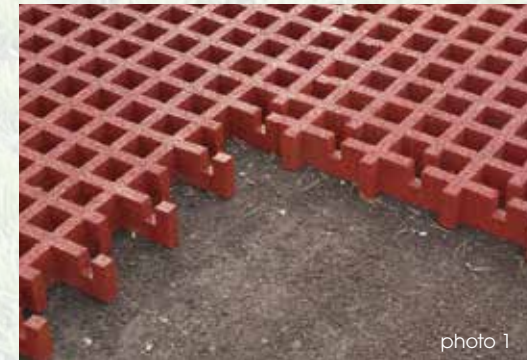
7,9 % by mass
59,5 % by mass

0,95 – 1,15 to/m³
~ 1,70 to/m³

40 – 50 % by volume
appr. 0.015 cm/s

6,0 – 7,5

0,5 – 1,0 g/l



interlocking connection



substrate (180 g per section)



compress the surface

photo 1

photo 2

photo 3