EN / FR / DE

STAENIS

# Maak zelf je vloer perfect vlak

Roostersystemen voor chape, isolatiechape, egaline, droge vulmiddelen en terrassen

# OVERVIEW

Staenis grids are innovative leveling grid systems that make installing floors easier. Whether you are a DIYer or a professional: with Staenis, you can easily create a sturdy, flat base for your floor finish.

The systems are versatile and suitable for various floor structures, from living spaces and bathrooms to attics, garden sheds, and terraces. Thanks to the height-adjustable legs, you can work accurately without any experience with traditional screeding.

Depending on the chosen filler, Staenis offers additional benefits such as insulation, light weight, drainage, fast drying, and a circular floor construction.

installation of the screed, dry floor, and leveling grids
Floor construction with floating and non-bonded screed
floor construction with bonded screed
floor structure with insulating screed
floor structure with tileable insulation screed
floor construction with non-load-bearing dry fillers
floor construction with load-bearing dry fillers
floor structure for terraces
floor construction with self-leveling compound

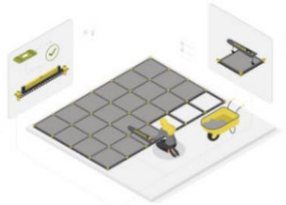
# GRID PLACEMENT

1. places

A modular grid system, consisting of slats and height-adjustable legs, which are super easy to level.

2. fill in

Choose between different fillers. Depending on the chosen filler, you can either tile directly onto it or first screw down a wooden board.



3. level

During damming and you can always erase it, without any effort, the height reference points of the Staenis grids to follow.

# GRID PLACEMENT

! For the exact placement of your floor structure, scan the QR code on the specific filler page.

CHAPER GRILLE OR DRY FLOOR GRILLE
adjustable from 4.5 cm

→ can be filled with screed, insulating screed, drainage mortar or dry fillers

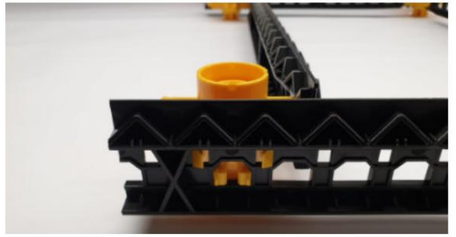
Supplies:
- leveling grids laser screwdriver locating block saw/grinding disc

1 Simply click the slats into the legs using the click connection and make pens.

50 x 50 cm.

2 To connect to walls/
Over obstacles, the slats can be shortened at any point along the slat with a saw or grinding disc.

3 Click legs into place on both sides of the (shortened) slats to align neatly with the wall/obstacle.



4 At the end of the slat, there is a snap connection on one side to connect (shortened) slats together.

5 Set the shelves to the correct height using a laser, spacer block, and screwdriver. Height adjustment is possible from 4.5 cm.

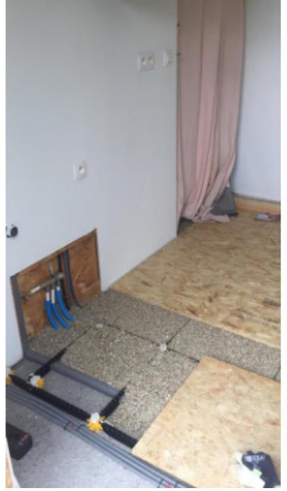
6 With the standard leg, you can adjust the height up to 9 cm, and with the extension leg, you can adjust it from 9 cm to 13 cm.

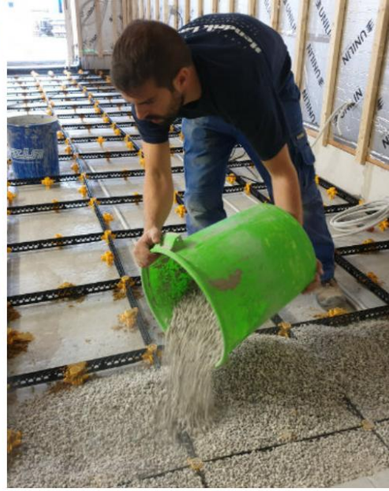
7 Cut a small section out of the batten to allow pipes to pass through. Locally, the height of the batten can be reduced to 1.5 cm.

8 For each filler, it is advisable to use a plastering trowel (60 cm length) to facilitate scraping it on the grate.

9 Grids can be built row by row and immediately filled with a filler of your choice.

10 Alternatively, place the grilles fully out in the space, optionally secure them with PU foam, and then fill in.





# GRID PLACEMENT

! For the exact placement of your floor structure, scan the QR code on the specific filler page.

LEVELING GRID
adjustable from 1 cm

→ can be filled with adhesive screed or leveling compound

Supplies:

- leveling grids laser screwdriver
- locating block angled cutting pliers

1 First, apply a primer for absorbent surfaces. Then, click the legs into the slats from bottom to top using a lever motion and create pens.

2 To connect to walls/
To avoid obstacles, the slats can be shortened with wire cutters at the designated places. Always cut in the middle of the three holes.

3 Click the legs into the ends of the (shortened) slats to attach nicely to the
to connect to wall/obstacle.

4 The legs can be adjusted in height between 1 cm and 5 cm.


5 Install edge insulation and adjust the grilles to the correct height using a laser, spacer block, and screwdriver.

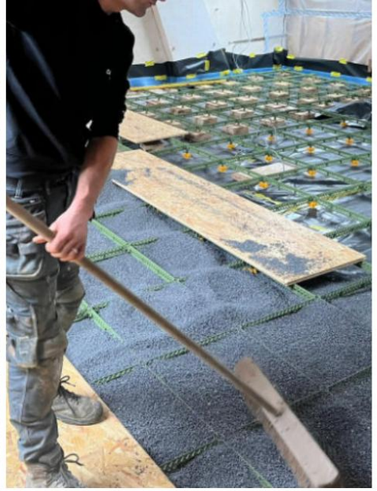
6 Once the grate is set to the correct height, secure the legs.
with a dab of glue, and then cut off the remaining adjustment screw with
angled cutting pliers so that it is flush with the slat.

7 Apply a bonding layer per pen (only necessary for bonded screed).

8 Pipes and cables can still pass under the grate.

9 Grilles are placed in advance per room, adjusted to the correct height (if necessary, first secure them with silicone at the correct height), and then filled with adhesive screed or leveling compound.

10 For each filler, it is advisable to use a plastering trowel (60 cm length) to facilitate scraping it on the grate.

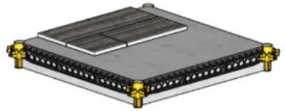


# FLOATING AND NON-ADHESIVE SCREED

traditional screed, but 10x better reinforced

Dividing the floor structure into very small fields of 0.25 m² prevents problems such as cracking, sagging, and detachment of the floor.

It is possible to construct a floor structure with floating or non-bonded screed on a concrete slab or floor structure on solid ground, as well as on dovetail plates.



→ directly coverable

- Height possible from 4.5 cm with the screed grid
- weight screed: ±100 kg/m²/7cm
- very high load capacity
- - suitable for a room on the ground floor
  - very interesting for small spaces under 40 m²

SCAN ME
manual: the installation of a floor structure with screed

- perfectly flat and crack-free screed
- replaces the reinforcement mesh and the decoupling mat
- no expansion joints* needed in the screed
- Spread screed work over several days (no stress during installation)
- suitable for interior & exterior
- compatible with underfloor heating (total reduction of underfloor heating voltage)
- can be covered with many types of floor finishes
- faster start-up of underfloor heating = faster construction process
- no dishing of the screed

except for doorways smaller than 110 cm and surfaces larger than 200 m²

# ADHESIVE SCREED

Traditional screed for a low floor build-up, but 6x cheaper than self-leveling compound.

An adhesive screed with a leveling grid is used on a concrete slab when you want to level the floor to a height of between 1 cm and 5 cm.

This screed is bonded to the underlying floor slab and always requires preparation with a bonding or primer coat.

Before starting, the floor board must be sturdy and crack-free, and the surface must be dry, grease-free, and dust-free.

→ directly coverable

- Height possible between 1 cm and 5 cm (thickness depends on the substrate)
- weight screed: ±100 kg/m²/7cm
- very high load capacity
- suitable for a room on the ground floor and upper floor (given the limited build-up height of up to a maximum of 5 cm)

- perfectly flat and crack-free screed
- Bonding screed is much cheaper than self-leveling compound for large thicknesses.
- no expansion joints* needed in the screed
- Spread screed work over several days (no stress during installation)
- can be covered with many types of floor finishes

construction and expansion joints in the subsurface must to be adopted correctly

SCAN ME
manual: the installation of a floor structure with screed

# INSULATION SCREED

Insulating and 10x lighter replacement for screed

With an insulating screed, the Staenis screed grid functions as a simple, height-adjustable wooden grid. This allows you to screw OSB or Durelis boards into the battens of the Staenis screed grid, after which you can cover them with, for example, floating multilayer parquet or laminate.
A floor construction with insulating screed is possible on a concrete slab or on wooden joists. This provides you with great flexibility and options for creating an insulated and stable floor that suits your specific needs and preferences.

→ OSB or Durelis board as an intermediate layer

- Height possible from 4.5 cm with the screed grid
- weight of insulation screed: ±10.5 kg/m²/7cm
- high load capacity
- suitable for ground floor, upper floor, and attic

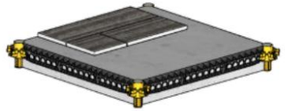
SCAN ME
manual: the installation of a floor structure with insulating screed

- Can be fitted with wooden panels immediately
  → plates are screwed onto the grid
- insulating screed is available in ready-made bags of ± 6.5 kg/bag
- lightweight floor = ±10 x lighter than screed
- very fast and lightweight installation = time saving
- sound-dampening and non-flammable
- no expansion joints needed
- thin, insulated floor construction possible
- can also be used as a leveling layer
- thermal bridges excluded
- combinable with a dry underfloor heating system

# TILEABLE INSULATION SCREED

Tileable, lightly insulating and 10x lighter replacement for screed”

This lightweight floor construction is ideal for spaces where the height of the floor structure is limited. Using the Staenis screed grid, it is possible to insulate and level the floor structure and quickly finish it with tiles. This offers an efficient and effective solution for creating an insulated floor. The ability to apply a floor construction with insulating screed to both a concrete slab and a wooden frame therefore offers great flexibility.



→ can be tiled directly

- Height possible from 4.5 cm with the screed grid
- weight of insulation screed: ±13.5 kg/m²/7cm
- high load capacity
- suitable for ground floor, upper floor, and attic

SCAN ME

manual: the installation of a floor structure with insulating screed

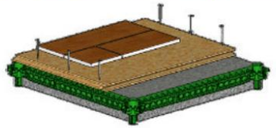
- Prime, level, and tileable after 48 hours*
- Tileable insulating screed is available in ready-to-use bags of ± 8.5 kg/bag
- lightweight floor = ±10 x lighter than screed
- very fast and lightweight installation = time saving
- sound-dampening and non-flammable
- no expansion joints needed
- thin, insulated floor construction possible
- can also be used as a leveling layer
- thermal bridges excluded
- combinable with a dry underfloor heating system

always consult the manufacturer's technical data sheet

# NON-LOAD-BEARING DRY FILLERS

10x more environmentally friendly dry floor, with less residual waste and low environmental impact

By using non-load-bearing dry fillers in combination with the Staenis dry floor grid, you can achieve a dry floor structure faster and more easily than with a traditional screed. This Staenis dry floor grid enables a circular, demountable floor structure that can be reused without residual waste. A floor structure with dry fillers is suitable for both a concrete slab and a wooden grid.



→ OSB/Durelis wooden board as an intermediate layer

- Height possible from 4.5 cm with the dry floor grid + cladding
- Weight of insulation granules: ±8 kg/m²/7cm
- average carrying capacity
- suitable for an attic or upper floor

- immediately coverable = time saving
- dry application = no moisture damage
- lightweight floor
- insulating, sound and fire resistant
- combinable with a dry underfloor heating system
- demountable floor structure without waste
- ecological & sustainable filling material
  → rock wool, cork granules, EPS beads, lime hemp, cellulose flakes,...

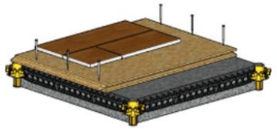
SCAN ME
manual: the installation of a floor structure with dry fillers

# BEARING DRY FILLERS

10x more environmentally friendly dry floor, less residual waste and low environmental impact”

By using load-bearing dry fillers in combination with the Staenis screed grid, you can achieve a dry floor structure faster and more easily than with a traditional screed. This Staenis grid system enables a circular, demountable floor structure that can be reused without residual waste.

A floor structure with dry fillers can be applied to both a concrete slab and a wooden joist system.



→ OSB/Durelis wooden board as an intermediate layer

- Height possible from 4.5 cm with the screed grid + cladding
- Weight of leveling granules: ±35 kg/m²/7cm
- average carrying capacity
- suitable for an attic or upper floor

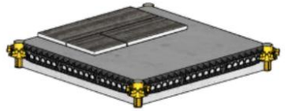
SCAN ME
manual: the installation of a floor structure with dry fillers

- immediately coverable = time saving
- dry application = no moisture damage
- lightweight floor = min. ±4 x lighter than screed
- insulating, sound and fire resistant
- combinable with a dry underfloor heating system
- demountable floor structure without waste
- ecological & sustainable filling material
  → aerated concrete aggregates
  or leveling aggregates

# TERRACE

## 10x more sustainable and draining terrace

By using a draining filler in combination with the Staenis screed grid, you ensure that moisture and stresses do not affect the durability of your new terrace and you opt for a correct terrace floor construction. This floor construction with drainage mortar is possible on a concrete slab or a floor construction on solid ground. On solid ground, screed can also be used as a filler.



→ directly coverable

- Height possible from 4.5 cm with the screed grid
- weight of screed/drainage mortar: ±100 kg/m²/7cm
- very high load capacity
- suitable for the patio, the driveway, or the garden shed

SCAN ME

manual: the installation
of a terrace floor structure

- replaces a drainage mat, reinforcement mesh, and the decoupling mat
- floor construction prevents rising damp/ capillary action from the subsurface
- water/moisture can drain away through the drainage mortar
- no risk of sanding of the screed
- tension-free subsurface
- no expansion joints required in the drainage mortar or screed floor
- perfect for bonding ceramic tiles or natural stone
- no loose joints and a longer lifespan than with a traditional terrace

# EGALINE

With the Staenis leveling grid, you can easily and reliably create a flat surface at the desired height. The grid also functions as reinforcement for the subfloor, providing better protection for your floor finish against cracking. It is possible to create a floor structure using leveling compound on a concrete slab or over existing tiling.

→ directly coverable

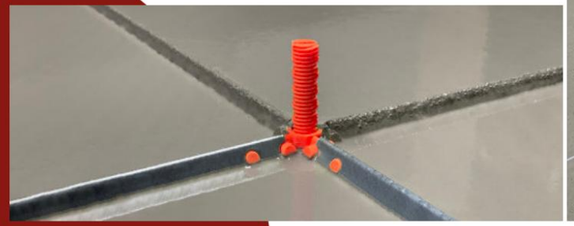
- Height possible between 1 cm and 5 cm with the leveling grid
- weight of leveling compound: ±15 kg/m²/1cm
- very high load capacity
- suitable for ground floor, upper floor, and attic

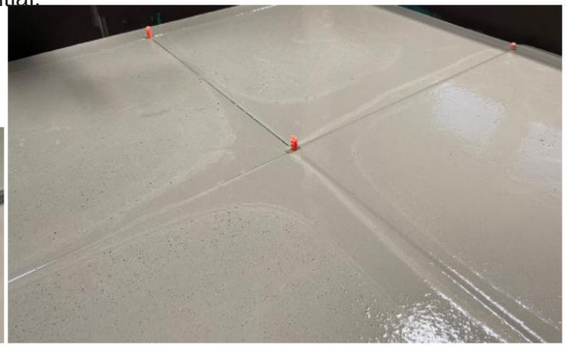
SCAN ME
manual: the installation of a floor structure
with leveling compound

## Self-leveling, but 10x simpler

- easy self-leveling
- can be covered with many types of floor finishes
- no expansion joints* needed in the self-leveling compound
- For heights between 1 cm and 5 cm, it is more cost-effective to install a bonded screed.
- Self-leveling compound is always applied adhesively, so the use of the correct primer is essential.

Construction and expansion joints in the substrate must be accurately reproduced.





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