STAENIS

here begins your new floor construction







OVERVIEW

The grids from Staenis are innovative, leveling grid systems that make flooring installation easier than ever. Whether you're a DIY enthusiast or a professional, our systems simplify the process of creating a solid and level base for your floor finish.

Our systems are not only easy to use, but also versatile. They can be used with various types of floor coverings and are suitable for both small and large surfaces. Whether you want to tackle your living space, bathroom, attic, garden shed, or terrace floor, the grids enable you to create a professional floor construction without experience.

Furthermore, Staenis grids offer various benefits such as being insulating, lightweight, draining, quick-drying, and circular. This makes them the ideal choice for your next flooring project.

installation of the leveling and compound leveling grid
floor construction with floating and non-adhesive screed
floor construction with adhesive screed
floor construction with insulation screed
floor construction with tileable insulation screed
floor construction with non-load-bearing dry fillers
floor construction with load-bearing dry fillers
floor construction for terraces
floor construction with self-leveling compound

INSTALLATION OF THE GRID



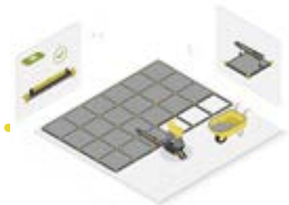
1. place

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



2. fill in

Choose from different fillers. Depending on the chosen filler, you can either tile immediately or first screw on a wooden board.



3. flatten

While compacting and leveling, you can always easily follow the height reference points of the Staenis grids.

INSTALLATION OF THE GRID

LEVELING GRID
adjustable from 5 cm

→ fillable with screed, insulation screed, drainage mortar, or dry fillers

Supplies
- leveling grids
- laser
- screwdriver
- spacer block
- saw/cutting disc

1 Click the slats into the legs easily using the click connection and create subdivisions of 50 x 50 cm.



2 To fit against walls/obstacles, the slats can be shortened at any point along the slat with a saw or cutting disc.



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

3 Click legs into both sides of the (shortened) slats to connect neatly to the wall/obstacle.



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



5 Set up the grids at 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 up to 9 cm, and with the extension leg, you can adjust the height from 9 cm to 13.5 cm.



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

7 Remove a piece from the slat to allow for pipes to pass through. The height of the slat can locally be reduced to 1,5 cm.



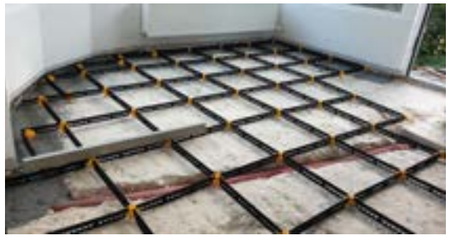
8 For each filler, it is advisable to use a tool for screeding (60 cm length) to facilitate the scraping on the grid.



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



10 Or completely lay out the grids in the space and optionally fix them in place with PU foam, then fill in.



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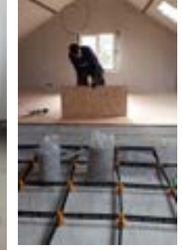











INSTALLATION OF THE GRID

COMPOUND LEVELING GRID
adjustable from 5 cm

⇒ fillable with adhesive screed or self-leveling compound.

Supplies:
- compound leveling grids
- laser
- screwdriver
- spacer block
- cutting plier

1 First apply a primer for absorbent substrates. Then click the legs into the slats with a levering motion from bottom to top and create subdivisions.



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



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

3 Click legs in at the ends of the (shortened) slats to connect neatly to the wall/obstacle.



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



5 Place edge insulation and set the grids to the correct height using a laser, spacer block, and screwdriver.



6 Once the grid is set to the correct height, cut off the remaining adjusting screw with an angled cutting plier so that it is flush with the slat.



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

7 Apply a bonding layer per subdivision (only needed for adhesive screed).



8 Pipes and cables can still pass underneath the grid.



9 Grids are pre-placed per room, height adjusted (optionally first fix them with silicone at the correct height), and then filled with adhesive screed or self-leveling compound.



10 For each filler, it is advisable to use a tool for screeding (60 cm length) to facilitate the scraping on the grid.



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

















FLOATING AND NON-ADHESIVE SCREED

“traditional screed, but 10x better reinforced”



Dividing the floor construction into very small fields of 0,25 m² prevents problems such as cracking, sinking, and detachment of the floor.

It is possible to realize a floor construction with floating or non-adhesive screed on a concrete slab or floor construction on solid ground, as well as on dovetail plates.



→ directly coverable

- height possible from 4,5 cm with the leveling grid
- weight of 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

CLICK HERE
FOR THE MANUAL:

manual: the installation of a floor construction with screed

- perfectly flat and crack-free screed
- replaces the reinforcement mesh and the decoupling mat
- no expansion joints* needed in the screed
- spread screeding works over multiple days (no stress during installation)
- suitable for interior & exterior
- compatible with underfloor heating (total reduction of underfloor heating stress)
- coverable with many types of floor finishes
- faster start-up of underfloor heating = faster construction process
- no dish formation of the screed

* except at door openings smaller than 110 cm and surfaces larger than 200 m²





ADHESIVE SCREED

“traditional screed for a low floor construction, but 6x cheaper than self-leveling compound”



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

This screed is adhesive to the underlying floor slab and always requires preparation with an adhesive or priming layer.

Before beginning, the floor slab must be firm and crack-free, and the surface must be dry, grease-free, and dust-free.



→ directly coverable

- height possible between 1 cm and 5 cm with the compound leveling grid
- weight of screed: ±100 kg/m²/7cm
- very high load capacity
- suitable for a room on the ground floor and upper floor
  (due to the limited construction height of up to 5 cm maximum)

CLICK HERE
FOR THE MANUAL:

manual: the installation of a floor construction with screed

- perfectly flat and crack-free screed
- adhesive screed is much cheaper than self-leveling compound at greater thicknesses
- no expansion joints* needed in the screed
- spread screeding works over multiple days (no stress during installation)
- coverable with many types of floor finishes

*structural and expansion joints in the substrate should be correctly transferred







INSULATION SCREED

“insulating and 10x lighter alternative to screed”



In an insulation screed, the Staenis leveling grid functions as a simple height-adjustable wooden framework. This allows you to screw OSB or Durelis boards into the slats of the Staenis leveling grid and then cover them with, for example, floating multi-layer parquet or laminate. A floor construction with insulation screed is possible on a concrete slab or a wooden framework. This gives you a lot of flexibility and options for realizing an insulated and stable floor that meets your specific needs and preferences.



→ OSB/Durelis wooden board as an intermediate layer

- height possible from 4,5 cm with the leveling grid
- weight of insulation screed: ±10,5 kg/m²/7cm
- high load capacity
- suitable for ground floor, upper floor, and attic

CLICK HERE
FOR THE MANUAL:

the installation of a floor construction with insulation screed





- immediately coverable with wooden boards
  → boards are screwed onto the grid
- insulation screed is available in ready-made bags of ± 6.5 kg/bag
- lightweight floor = ±10 x lighter than screed
- very fast and light installation = time saving
- sound dampening and non-flammable (A1-M0)
- no expansion joints needed
- thin, insulated floor construction possible
- can also be used as a filler layer
- cold bridges excluded
- compatible with a dry underfloor heating system

TILEABLE INSULATION SCREED

“tileable, lightly insulating and 10x lighter alternative to screed”



This lightweight floor construction is ideal for spaces where the height of the floor construction is limited. With the help of the Staenis leveling grid, it is possible to insulate and level the floor construction, 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 insulation screed on both a concrete slab and a wooden framework thus provides a lot of flexibility.



→ directly tileable

- height possible from 4,5 cm with the leveling grid
- weight of insulation screed: ±13,5 kg/m²/7cm
- high load capacity
- suitable for ground floor, upper floor, and attic

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FOR THE MANUAL:

the installation of a floor construction with insulation screed





- immediately tileable after 48 hours*
- tileable insulation screed is available in ready-made bags of ± 8,5 kg/bag
- lightweight floor = ±10 x lighter than screed
- very fast and light installation = time saving
- sound dampening and non-flammable (A1-MO)
- no expansion joints needed
- thin, insulated floor construction possible
- can also be used as a filler layer
- cold bridges excluded
- compatible 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”



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



→ OSB/Durelis wooden board as an intermediate layer

- height possible from 6,3 cm with the leveling grid
- weight of leveling granules: ±35 kg/m²/7cm
- low load capacity
- suitable for an attic or upper floor

- immediately coverable = time saving
- dry application = no moisture damage
- lightweight floor
- insulating, sound and fire resistant
- compatible with a dry underfloor heating system
- demountable floor construction without waste
- ecological & sustainable filling material
  → such as rock wool, non-load-bearing cork granules, lime hemp, cellulose flakes,...







CLICK HERE
FOR THE MANUAL:

the installation
of a floor construction
with dry fillers

LOAD-BEARING DRY FILLERS

“10x more environmentally friendly dry floor”



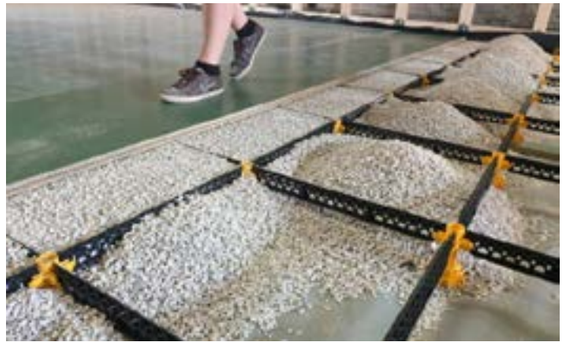
By using load-bearing dry fillers in combination with the Staenis leveling grid, you can achieve a dry floor construction faster and more easily than with traditional screed. This Staenis leveling grid system allows for a circular, demountable floor construction that can be reused without any residual waste. A floor construction with dry fillers is applicable on both a concrete slab and a wooden framework.



→ OSB/Durelis wooden board as an intermediate layer

- height possible from 6,3 cm with the leveling grid
- weight of leveling granules: ±35 kg/m²/7cm
- average load capacity
- suitable for an attic or upper floor

- immediately coverable = time saving
- dry application = no moisture damage
- lightweight floor = at least ± 4 x lighter than screed
- insulating, sound and fire resistant
- compatible with a dry underfloor heating system
- demountable floor construction without waste
- ecological & sustainable filling material
  → leveling, cellular concrete or load-bearing cork granules, vermiculite,...







CLICK HERE
FOR THE MANUAL:

the installation
of a floor construction
with dry fillers

TERRACE

“10x more durable and draining terrace”



By using a draining filler in combination with the Staenis leveling grid, you ensure that moisture and tensions do not affect the durability of your new terrace and choose a correct terrace floor construction. This floor construction with drainage mortar is possible on a concrete slab or floor construction on solid ground.



→ directly coverable

- height possible from 4,5 cm with the leveling grid
- weight of screed/drainage mortar: ±100 kg/m²/7cm
- very high load capacity
- suitable for the terrace, driveway, or garden shed

CLICK HERE
FOR THE MANUAL:

the installation
of a terrace floor
construction





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

SELF-LEVELING COMPOUND

“self-leveling, but 10x easier”



With the Staenis leveling grid, you can easily and reliably create a flat surface at the desired height. The grid also serves as reinforcement for the substrate, providing better protection for your floor finish against cracking. It is possible to create a floor construction with self-leveling compound on a concrete slab or over existing tiles.



⟶ directly coverable

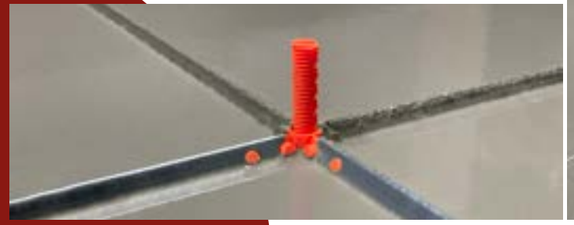
- height possible between 1 mm and 5 cm with the Leveling Grid
- weight of self-leveling compound: ±15 kg/m²/1cm
- very high load capacity
- suitable for ground floor, upper floors, and attic

CLICK HERE
FOR THE MANUAL:

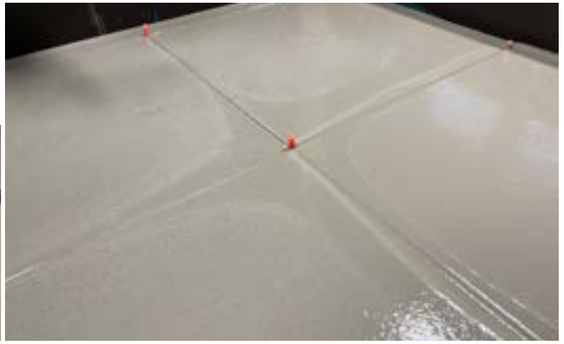
the installation of a floor construction with self-leveling compound

- easily self-level
- coverable with many types of floor finishes
- no expansion joints* needed in the screed
- for heights between 1 cm and 5 cm, it is more advantageous to lay an adhesive screed floor
- self-leveling compound is always applied adhesive, so using the right primer is essential

* Structural and expansion joints in the substrate should be correctly transferred







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→ Always visit our YouTube channel to view the installation of a specific floor construction.

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