

Desealing, infiltrating  
and stabilising

ACO Gravel Grid



## ACO Gravel Grid

ACO Gravel Grid is suitable for stabilising surfaces made of gravel and chippings. The honeycomb structure holds the gravel securely in place. This results in desealed surfaces without ruts.

The ACO Gravel Grid eco consists of 100 % recycled plastic. The heavy duty version is also suitable for trucks.



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ACO. creating

the future of drainage

## The worldwide ACO Group. A strong family you can build on.

The ACO Group is one of the global market leaders in the drainage technology sector. Climate change challenges us to come up with innovative solutions in response to new environmental influences. ACO adopts an integrated approach and focuses on professional drainage, efficient cleaning and the controlled drainage or reuse of water. The company's products comprise drainage channels and gullies, oil and grease separating systems, back flow systems and pumps as well as pressurised watertight basement and cellar windows and light wells.

The family company, which is based in Rendsburg/Büdel-dorf, was founded on the grounds of the Carlshütte, the first industrial company in Schleswig-Holstein, in 1946. The ACO Group's innovation capability is the result of intensive research and development and expertise in the processing of polymer concrete, plastic, cast iron, stainless steel and reinforced concrete.

## ACO Hochbau. System solutions for cellar and house, courtyard and garden.

Increasingly extreme weather events require ever more complex drainage concepts. To this end, ACO creates clever system solutions, which function in both directions: they protect people from water – and vice versa. Each ACO product within the ACO system chain secures the direction of the water with the objective of being able to recover it in a way that makes ecological and economic sense. Within the ACO Group, ACO Hochbau supports the global system chain with protective construction elements and drainage systems for modern and sustainable architecture in the private and commercial building construction sector.

[www.aco-hochbau.de](http://www.aco-hochbau.de)



Headquarter of the ACO Group  
in Rendsburg/Büdeldorf



**5.000**

Members of staff in more than 44 countries (Europe, North America and South America, Asia, Australia, Africa)

**900 Mio.**

Euros turnover in 2019

**35**

Production locations in 18 countries



ACO Academy  
for practical training

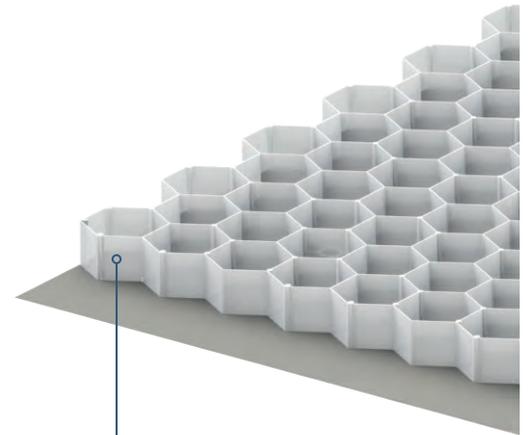
Inhaber  
Hans-Julius and Iver Ahlmann (left)



# ACO Gravel Grid ACO Gravel Grid eco

suitable for gardening and landscaping

Surface desealing is currently being discussed on many levels. Some municipalities already require the desealing of land while other municipalities charge fees for sealed surfaces. With ACO Gravel Grid, desealed surfaces can be created according to the customer's individual requirements.



Honeycomb height of 30 mm for easy transport and installation

## No ruts

## For bicycle, motorbike or car

### ACO Gravel Grid

#### walkable and trafficable

- no ruts
- trafficable by bicycle, motorbike and car
- can be walked on even with high heels
- suitable for easy mobility of prams or wheelchairs
- safe base for garden furniture
- filled mats can withstand loads of up to 300 t/m<sup>2</sup>

#### Characteristics

- 5.6 mats are required for 10 m<sup>2</sup>
- Material: 100 % polypropylene in white or more environmentally friendly: 100 % recycled plastic in grey or black
- Made in Germany





ACO Gravel Grid is suitable for stabilising surfaces made of gravel and chippings. The honeycomb structure holds the gravel securely in place. This results in desealed surfaces without ruts.

Properly laid, this creates a stable and water-permeable surface that is walkable and trafficable. The water-permeable surface results in savings on surface water drainage fees. The honeycomb structure of the mats ensures that the stones stay where they belong. The gravel is no longer displaced by vehicles, shoes or any other objects.

This means that gravel stays in one place and your surface remains free of ruts, ditches, holes and piles of stones. A custom design is possible when filled with high-quality chippings or decorative gravel.



### Area of use

- Garden paths and terraces
- municipal landscape design (e.g. parks, cemeteries)
- Courtyard areas, parking spaces, access roads and driveways
- Roof surfaces



different honeycomb colours to match the gravel or chippings



## For trucks, caravans and heavy loads

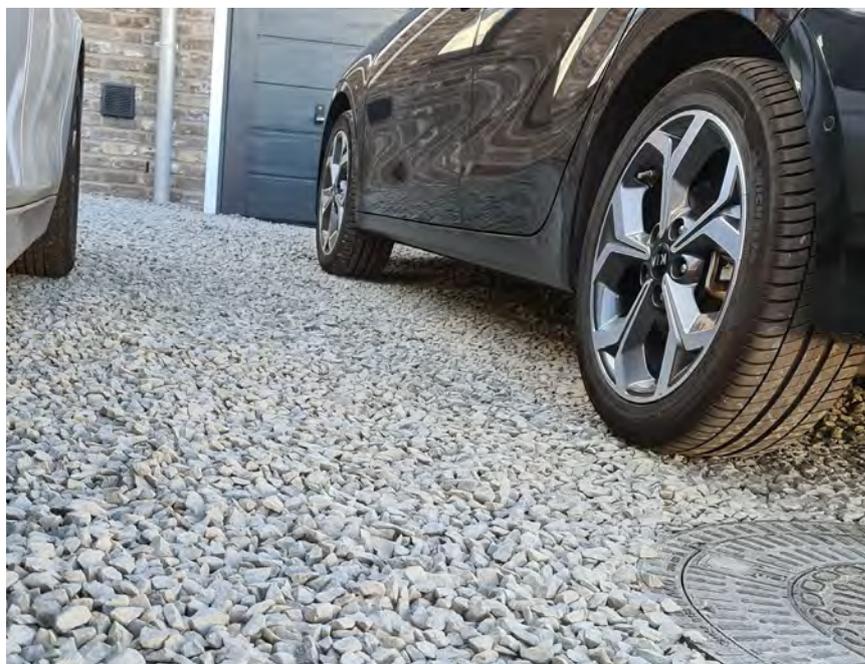
ACO Gravel Grid Heavy Duty

### for high loads

- filled mats up to an axle load of 10 t and a permissible total weight of 16 t
- filled mats up to 450 t/m<sup>2</sup>

### Characteristics

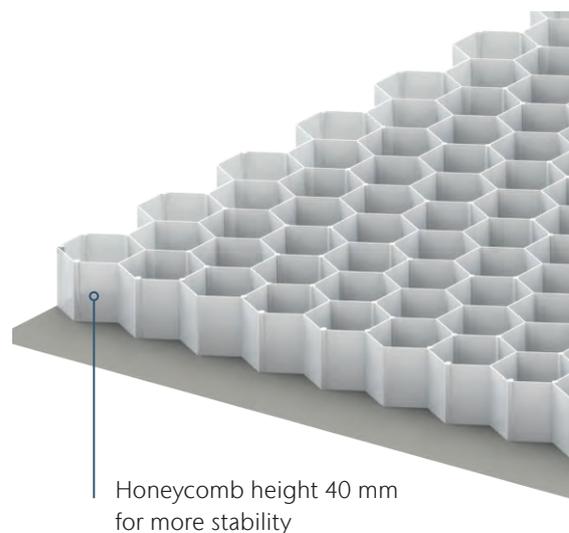
- 5.6 mats are required for 10 m<sup>2</sup>
- Material: 100 % polypropylene in white
- Made in Germany



# ACO Gravel Grid Heavy Duty

suitable for heavy traffic

For construction projects that require a higher surface load but still require surface desealing, the ACO Gravel Grid Heavy Duty is the perfect solution. Surfaces or paths for caravans, SUVs and trucks (category G) can be equipped with this gravel grid. Rainwater can seep away on the spot and contributes to the formation of new groundwater.



## Area of use

- SUVs, caravans, trucks (category G) up to 450 t/m<sup>2</sup>
- for surfaces with high loads



# ACO Gravel Grid

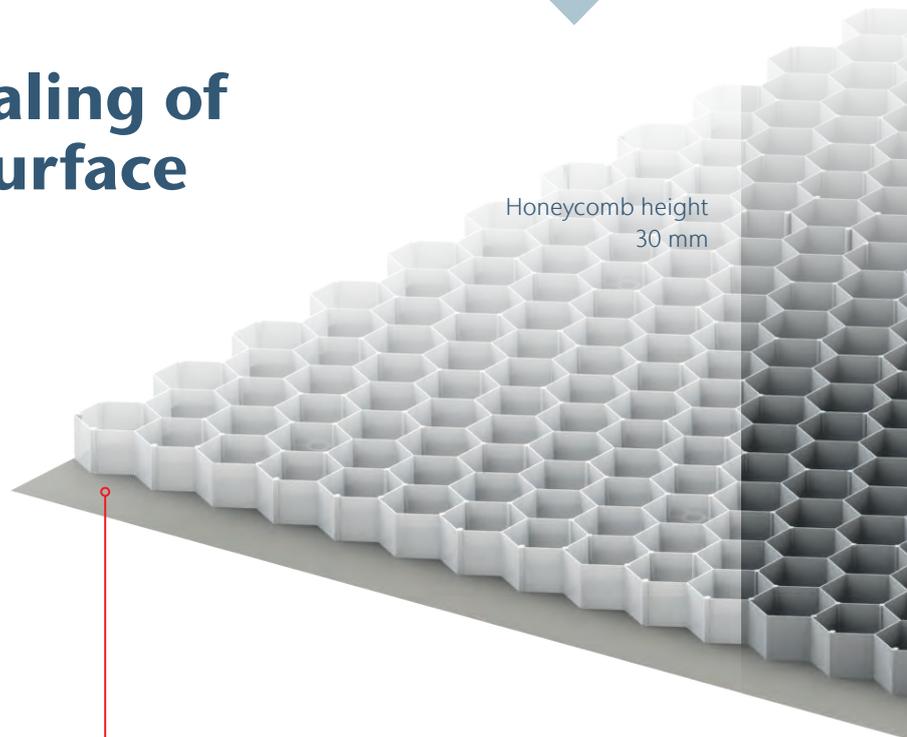
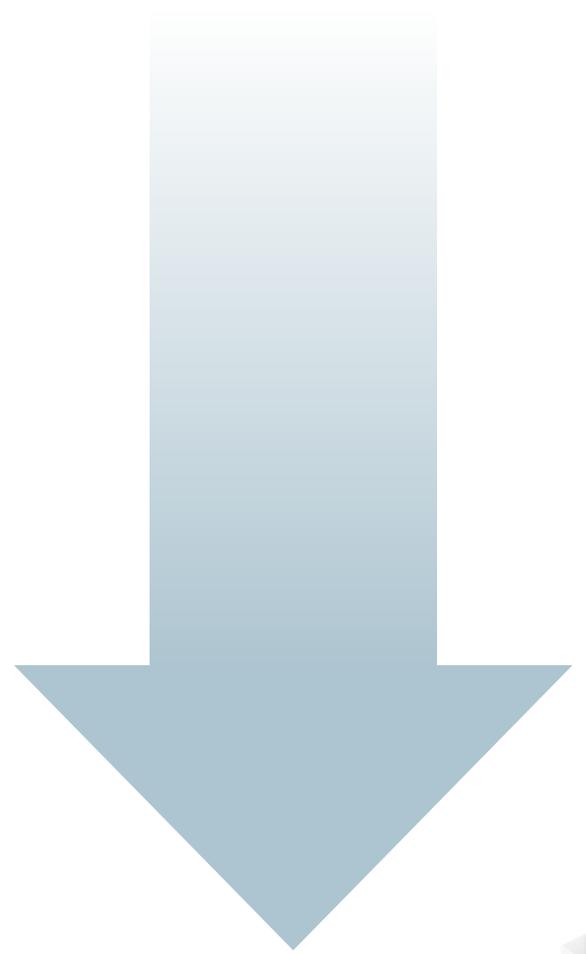
## Surface desealing

- stable and water permeable surface
- Rainwater can seep away on the spot
- new formation of groundwater
- no draining of rainwater into the sewage system as with sealed surfaces

## Desealing of the surface

## No ruts

## Different honeycomb colours



Integrated fleece

The integrated water-permeable fleece in a discreet grey colour is permanently bonded to the honeycomb. This prevents the gravel from infiltrating the honeycomb and keeps it safely in place. Furthermore, the overlapping of the fleece has been optimised during laying and the non-woven can be cut easily and accurately.

**eco**

grey and black made of  
100 % recycled plastic

different honeycomb colours  
to match the gravel or  
chippings

optimum honeycomb  
size with 47 mm  
diameter

walkable and trafficable

Stabilisation of the  
gravel areas

optimal overlapping of the  
fleece

ACO Gravel Grid Heavy  
Duty even for high loads

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Honeycomb height  
40 mm

**Heavy Duty**

Environmentally friendly  
and sustainable

Honeycombs made of 100% recycled plastic

Gravel grid makes soils resilient while maintaining their natural functions. This means above all that rainwater can seep away where it accumulates.



The mats show that a functional product and sustainable production need not be mutually exclusive. The honeycombs are made of 100% recycled plastic.

Surfaces can be laid without sealing with ACO Gravel Grid eco. Your entire project, in combination with the recycled material, has a better CO<sub>2</sub> balance and less plastic waste.

**eco**



**eco**



ACO Gravel Grid eco

- 100 % recycled plastic
- genuine recycling
- natural colours in black and grey
- environmentally friendly
- Made in Germany



*"We want the outside to look very natural."*

Ulli from the Instagram channel @userplanb

The influencer Ulli posts on her Instagram channel #userplanb and associated blog about the construction of her house and - as she herself says: "about living, planning, developing. and loving."

They chose a natural garden for their modern house. A highlight is the terrace, which is not made of cobblestones or tiles, but consists of a desealed gravel surface.

"Initially we didn't have honeycomb under the gravel. That didn't work for us because it felt like we were walking on the beach through soft sand. With the honeycomb, it is now much more stable and nothing slips away". - Ulli



## Different honeycomb colours - matching the gravel

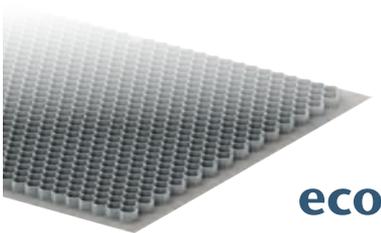
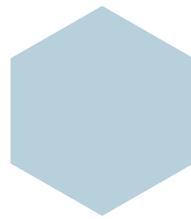
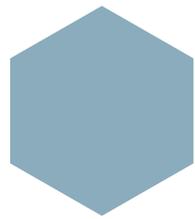
### Perfect combinations



**White gravel**  
+  
**ACO Gravel Grid mat white**

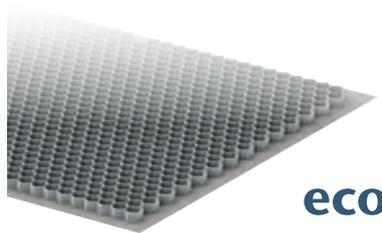
**Yellow gravel**  
+  
**ACO Gravel Grid mat white**





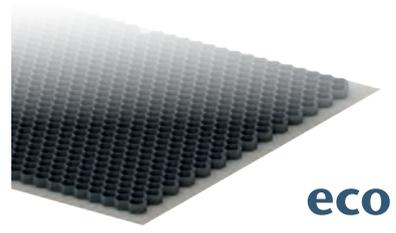
**eco**

**Coloured gravel**  
+  
**ACO Gravel Grid mat eco grey**



**eco**

**Granite chippings**  
+  
**ACO Gravel Grid mat eco grey**



**eco**

**Lava chippings**  
+  
**ACO Gravel Grid mat eco black**

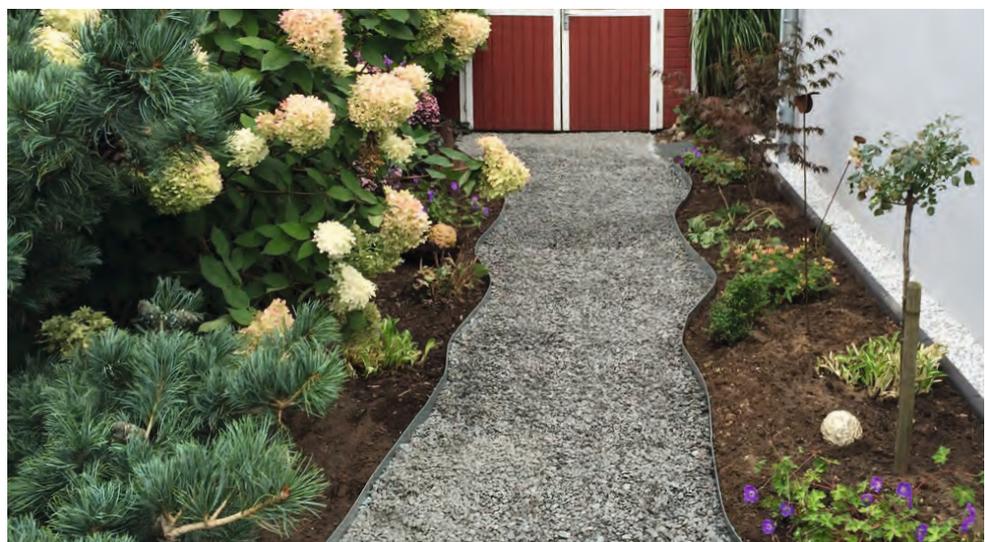
# Custom garden and landscape design

Gravel and chippings are important elements of the design. Especially when compared to paving, gravel is often a cheaper alternative with ecological advantages such as desealing. Gravel surfaces appear more open and natural. In addition, curved lines can be easily created. ACO gravel grid can also be easily adapted to the desired shape while subtly stabilising the surfaces.

A weed fleece can be laid under the gravel. It is more difficult for the weeds to take root in the gravel and the result is a permanently beautiful and very easy to maintain surface.



**Simple  
whether straight  
or curved**



## Easy processing



### Easy processing

- Honeycombs with water-permeable fleece
- so-called coffee filter fleece can be cut into shape very easily (e.g. with a cutter knife)
- extra large mats (1200 x 1600 mm) for quick installation
- can be used on gradients of up to 10 %

### Installation videos

can be found at:

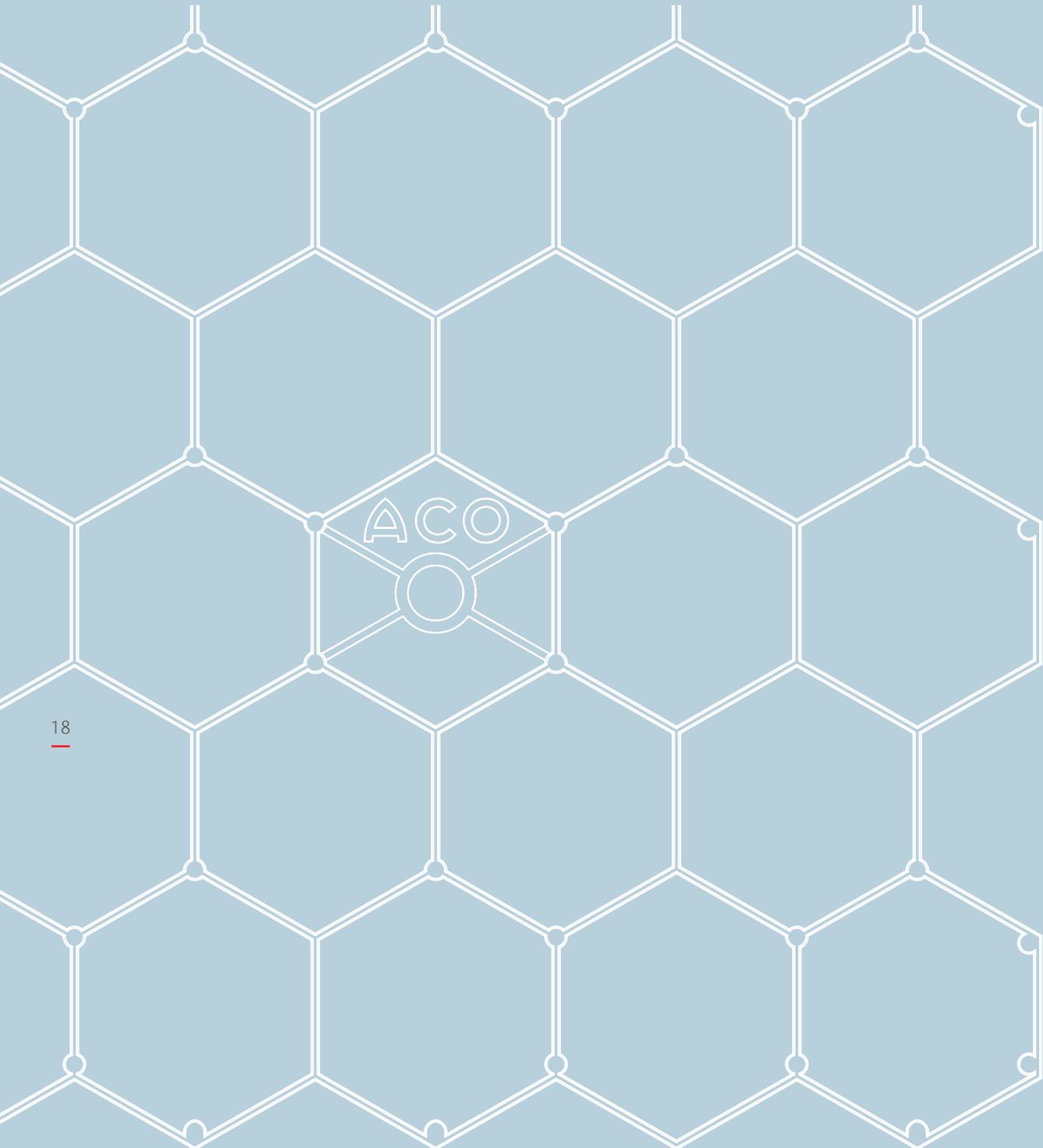
[www.aco-hochbau.de/service/videos](http://www.aco-hochbau.de/service/videos)



## Wide range of applications

Gravel is a wonderful design feature in gardening and landscaping. The wide range of grain sizes and colour shades allows for custom made paths and attractive seating areas. Gravelled garden paths look very natural and blend in harmoniously with the surroundings. Seating areas and circular patios made from gravel form the perfect base for garden furniture. However, car parking spaces and drive-ways can also be created using gravel. The gravel grid makes the surfaces safe to walk and drive on and seating areas are also stable.

Order information  
for ACO Gravel Grid



## ACO Gravel Grid product range

Figure	Colour	Material	Load	Length [mm]	Width [mm]	Height [mm]	Article no.
<b>ACO Gravel Grid</b>							
	white	100 % Polypropylene	Car	1200	1600	30	281093
<b>ACO Gravel Grid eco</b>							
 <b>eco</b>	grey	100 % recycled plastic	Car	1200	1600	30	281095
 <b>eco</b>	black	100 % recycled plastic	Car	1200	1600	30	281092
<b>ACO Gravel Grid Heavy Duty</b>							
	white	100 % Polypropylene	Truck (category G)	1200	1600	40	281094

ACO. creating  
the future of drainage



Visit us online:  
local web address

Add here your local company address

