



**SAND AND MORE 2019**





Uniques of nature





# Revisiting old roads

It won't surprise you that road construction was around even before the oil age. A pioneer in those days was a Scot called McAdam. He invented multi-layered road construction using coarse and fine gravel that binds well with water. This development, called 'macadam', was later replaced by tar and bitumen roads and has been forgotten.

We see the macadam construction trend making a come back. But it's more than that – it's also a necessity. And not just in historic parks, but also in footpaths and cycle paths, and on private property. Surface sealing and urban overheating are today's problems that can be reduced by this natural type of construction. Our contribution to it is a technical, ecological and creatively impressive range of water-bound surfaces.

*J. Scherf*

Jürgen Scherf

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# NEW 2019

## New decorative chips and gravel stones

Marble chips  
Cream and red  
16-32 mm  
More info  
on page 13.



Lava chips  
Ember and black  
8-16 mm and  
16-32 mm  
More info  
on page 15.



Gneiss gravel  
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16-40 mm  
More info  
on page 18.



Syenite chips  
anthracite grey  
16-32 mm  
More info  
on page 18.



## Sample service

Have you found your favourite stone? We'd be happy to send you a representative handsized sample. Are you looking for something special? Ask about our special sands and natural stone grains. We're here to assist you with our expertise.



## New decorative pebbles



River pebbles  
Grey-beige  
16-32 mm  
More info  
on page 22.



Limestone pebbles  
Colourful July  
20-30 mm  
More info  
on page 27.



Marble decorative  
pebbles  
Danube blue  
20-30 mm  
More info  
on page 27.

## Water-bound surfaces



The natural  
path surface for  
gardens and parks.  
An ecological and  
attractive alternative  
to sealed surfaces.  
More info on page 82.



# DESIGN TIPS

You buy decorative stones with the intention of making your immediate environment nicer. But beauty doesn't come from the material alone. It's key to take a holistic view of the home and garden, and thoughtfully plan out the grounds. Your property should also fit in well with its surroundings. Some tips to help your project be a success:

## The gravel size issue



Make sure to have consistent proportions when selecting stone size. For your project, choose the gravel size that looks the best and is most suitable from a technical perspective (bed size, walkability, water permeability, cost of maintenance, etc.). Note that fine chip gravel gets dirty faster and maintenance is more intensive. Coarser gravel is more water-permeable, is not washed away, doesn't attract cats and can be cleaned using a leaf blower. Use gravel that is round in shape if the surfaces are going to be used for walking barefoot. Loosen up larger beds with chunks, boulders or rubble stones.

## Stones as a habitat



Coarse rubble stone gravel can be a good habitat for useful insects and small animals that live in the spaces between the stones. With this in mind, also use coarse gabion filling material in your surface design, or make a stone heap that can also serve as a habitat for animals.

can create a high-quality habitat by having a harmonious blend of stone surfaces, grasses, perennials, hedges, flower beds, lawns and flower meadows. If needed, ask your gardener about plants that have a low maintenance cost.

## Don't forget the plants

Surfaces made of gravel, chips and pebbles are an alternative to maintenance-intensive green spaces. However, for use over a large area, it is important not to forget the green, otherwise the space can look too bare. You







## A question of style

Think about what style you want your garden to have and stay true to this defined style when planning and executing:

- Modern, straightforward garden
- Farmhouse garden
- Mediterranean garden
- Country house garden



If you want to combine several styles for your property, create sections so that the styles are clearly separated. Avoid mixing different styles in the same space. Your house also has a specific style and should form a stylistic unit with the garden.

## Less is more

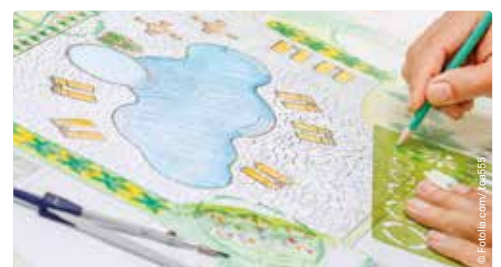
Only use a few colours. Think about what colour stones go with your style of house and/or garden.



Combine the same coloured stones in different sizes. What type and colour of stone is used for historical buildings and designs in your region? Align yourself with what's already in the area so that your property fits in well with its surroundings and isn't a 'foreign body'. Don't overdo it with diversity; the line between personal creativity and kitsch is a thin one.

## Expert advice

Hire a trained garden planner to plan out your outdoor area. Compared to what you will end up investing in your garden, it won't cost you that much. When actually creating the garden, you can save a lot with your own ambitious contributions.





- Area design in gardening and landscaping
- Stone beds with grasses and shrubs
- Mulch beds
- House edging (eaves, splash protection)
- Japanese gardens
- Trench gravel
- Filling material for grid and slope concrete blocks
- Tree grates
- Design of traffic surfaces
- Aquariums
- Solitary stones in the garden
- Stone gardens
- Fill material for gabions (stone baskets)
- Garden pond and habitat pebbles
- Streams
- Paving
- Flowerpot decoration
- Indoor fountains
- Flat roofs

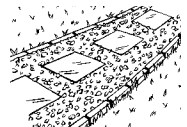
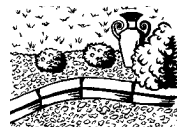
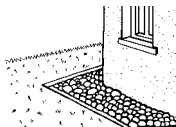
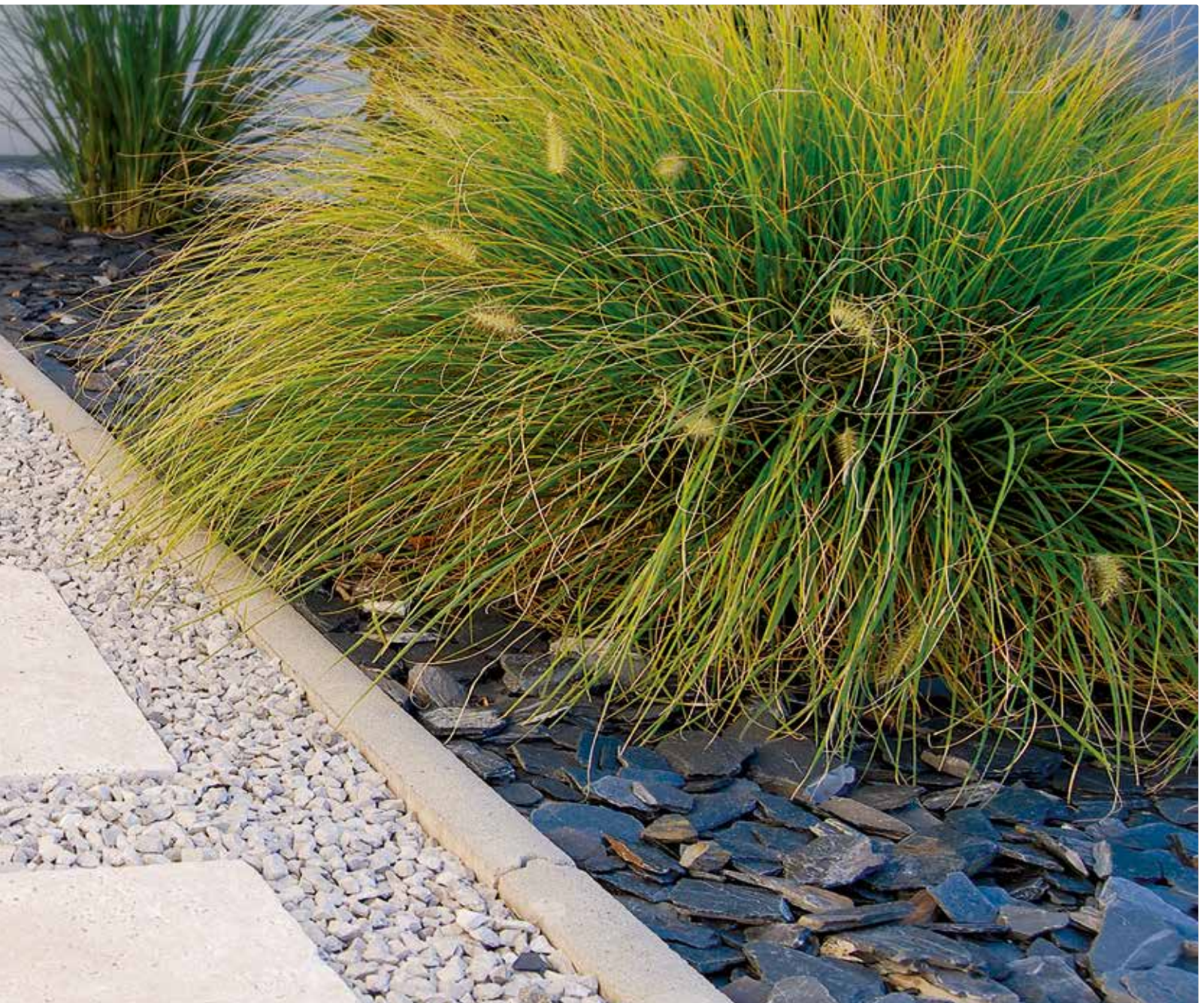
#### Tip

With kerbstones or SCHERF lawn edges, you can separate the chip surface neatly from the adjacent landscape. Use an anti-weed fabric as a base.



**!** Our natural products are subject to variation in colour, texture and size. Due to the nature of the printing process, the images may not correspond to the actual stone colour. (See sample service on page 4). The information about stone sizes relates to the sieve mesh size. Larger side lengths with longer stones and a small proportion of smaller stones cannot be avoided due to the nature of the sieves. Many types of products are delivered „washed“. A little bit of abrasive dust is produced as a result of manipulating the material when packaging it. This does not constitute grounds for a complaint.





# DECORATIVE STONES

DECOR CHIPS & GRAVELS | DECORATIVE PEBBLES



# DECOR CHIPS & GRAVELS



## Marble chips, Cloud white

White marble from Austria.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

16 – 25 mm	PE sack	25 kg	48	90 04179 41056 2	1500 kg/m³	45
16 – 25 mm	Tandem-Bags	428 kg	1	90 04179 41057 9	1500 kg/m³	45
16 – 25 mm	Tandem-Bags	1000 kg	1	90 04179 41058 6	1500 kg/m³	45
16 – 25 mm	Big bag	1000 kg	1	90 04179 41059 3	1500 kg/m³	45



## Marble gravel, Cloud white

White marble from Austria.

Also for filling narrow gabions up to 25 mm wire spacing.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

25 – 50 mm	PE sack	25 kg	48	90 04179 41656 4	1500 kg/m³	90
25 – 50 mm	Tandem-Bags	428 kg	1	90 04179 41657 1	1500 kg/m³	90
25 – 50 mm	Tandem-Bags	1000 kg	1	90 04179 41658 8	1500 kg/m³	90
25 – 50 mm	Big bag	1000 kg	1	90 04179 41659 5	1500 kg/m³	90



## Marble chips, Matt white

Visually pleasing matt white marble chips.

**Characteristics:** Crushed aggregate

**Stone:** Dolomit

4 – 8 mm	PE sack	25 kg	48	90 04179 41426 3	1500 kg/m³	25
4 – 8 mm	Big bag	1000 kg	1	90 04179 41429 4	1500 kg/m³	25
8 – 12 mm	PE sack	10 kg	60	90 04179 41524 6	1500 kg/m³	30
8 – 12 mm	PE sack	25 kg	48	90 04179 41526 0	1500 kg/m³	30
8 – 12 mm	Big bag	1000 kg	1	90 04179 41529 1	1500 kg/m³	30



## Marble chips, Carrara white

Snow white marble chips made from famous Carrara marble.

**Characteristics:** Crushed aggregate

**Stone:** Marble

6 – 9 mm	PE sack	25 kg	48	90 04179 41416 4	1500 kg/m³	25
6 – 9 mm	Big bag	1000 kg	1	90 04179 41419 5	1500 kg/m³	25
9 – 12 mm	PE sack	10 kg	60	90 04179 41514 7	1500 kg/m³	30
9 – 12 mm	PE sack	25 kg	48	90 04179 41516 1	1500 kg/m³	30
9 – 12 mm	Big bag	1000 kg	1	90 04179 41519 2	1500 kg/m³	30
16 – 25 mm	PE sack	25 kg	48	90 04179 41016 6	1500 kg/m³	45
16 – 25 mm	Big bag	1000 kg	1	90 04179 41019 7	1500 kg/m³	45



## Marble gravel, Carrara white

Snow-white marble quarry made from famous Carrara marble.  
**Characteristics:** Crushed aggregate  
**Stone:** Marble

25 – 50 mm	PE sack	25 kg	48	90 04179 41616 8	1500 kg/m³	90
25 – 50 mm	Big bag	1000 kg	1	90 04179 41619 9	1500 kg/m³	90



NEW

PE sack

## Quartzite chips, Ice white

Cool, whitish green colour. Does not absorb moisture.  
**Characteristics:** Crushed aggregate, washed  
**Stone:** Quartzite

8 – 12 mm	PE sack	25 kg	48	90 04179 41596 3	1500 kg/m³	30
8 – 12 mm	Big bag	1000 kg	1	90 04179 41599 4	1500 kg/m³	30
16 – 25 mm	Big bag	1000 kg	1	90 04179 41099 9	1500 kg/m³	45



## Marble chips, Chateau beige

Washed, beige marble chippings – discreet and unobtrusive.  
**Characteristics:** Crushed aggregate, washed  
**Stone:** Dolomit

8 – 12 mm	PE sack	25 kg	48	90 04179 41546 8	1500 kg/m³	30
8 – 12 mm	Big bag	1000 kg	1	90 04179 41549 9	1500 kg/m³	30
16 – 25 mm	Big bag	1000 kg	1	90 04179 41049 4	1500 kg/m³	45



## Marble gravel, Chateau beige

Stylish marble gravel, washed quality.  
Also for filling narrow gabions up to 25 mm wire spacing.  
**Characteristics:** Crushed aggregate, washed  
**Stone:** Dolomit

25 – 50 mm	PE sack	25 kg	48	90 04179 41646 5	1500 kg/m³	90
25 – 50 mm	Big bag	1000 kg	1	90 04179 41649 6	1500 kg/m³	90



## Limestone chips, Dalmatian beige

Mediterranean Limestone that brings the holiday atmosphere to the garden.  
**Characteristics:** Crushed aggregate, washed  
**Stone:** Limestone

22 – 32 mm	PE sack	25 kg	48	90 04179 41176 7	1500 kg/m³	60
22 – 32 mm	Big bag	1000 kg	1	90 04179 41179 8	1500 kg/m³	60



NEW





### Limestone gravel, Dalmatian beige

Mediterranean Limestone that brings the holiday atmosphere to the garden.

**Characteristics:** Crushed aggregate, washed

**Stone:** Limestone

32 – 70 mm	Big bag	1000 kg	1	90 04179 41779 0	1500 kg/m³	110
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### Moon stone, Light grey

Stone with washed out holes. As if from another world.

**Characteristics:** Fragment, limy

**Stone:** Limestone

100 – 400 mm	Mesh basket	1 kg	580	90 04179 57737 1	1150 kg/m³	400
200 – 300 mm	Mesh basket	1 pc.	70	90 04179 57732 6	1150 kg/m³	400
400 – 600 mm	Wood frame	1 kg	600	90 04179 57837 8		



## Marble gravel, Cream red

Red-brown and beige marble gravels with white streaks.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

16 – 32 mm	Big bag	1000 kg	1	90 04179 45079 7	1500 kg/m³	50
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NEW

## Terracotta chips, Brick red

Chips made from fired clay for Mediterranean gardens. Ecological recycled product with partial discolouration.

**Characteristics:** Crushed aggregate, washed

**Stone:** Terracotta

8 – 12 mm	PE sack	8 kg	60	90 04179 45524 2	900 kg/m³	30
8 – 12 mm	PE sack	20 kg	48	90 04179 45525 9	900 kg/m³	30
8 – 12 mm	Big bag	800 kg	1	90 04179 45529 7	900 kg/m³	30



## Marble chips, Verona red

Washed chips made from Italian Verona marble.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

9 – 12 mm	PE sack	25 kg	48	90 04179 45516 7	1500 kg/m³	30
9 – 12 mm	Big bag	1000 kg	1	90 04179 45519 8	1500 kg/m³	30
16 – 25 mm	PE sack	25 kg	48	90 04179 45016 2	1500 kg/m³	45
16 – 25 mm	Big bag	1000 kg	1	90 04179 45019 3	1500 kg/m³	45



NEW

16-25 mm  
PE sack

## Marble gravel, Verona red

Washed marble gravel made from Italian Verona marble.

Also for filling narrow gabions with up to 25 mm wire spacing.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

25 – 50 mm	PE sack	25 kg	48	90 04179 45616 4	1500 kg/m³	90
25 – 50 mm	Big bag	1000 kg	1	90 04179 45619 5	1500 kg/m³	90



## Marble chips, Royal red

Luxurious stone in vibrant red, with streaks of white calcite.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

16 – 25 mm	Big bag	1000 kg	1	90 04179 45059 9	1500 kg/m³	45
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## Marble gravel, Royal red

Luxurious stone in vibrant red, with streaks of white calcite.  
**Characteristics:** Crushed aggregate, washed  
**Stone:** Marble

25 – 50 mm	PE sack	25 kg	48	90 04179 45656 0	1500 kg/m³	90
25 – 50 mm	Big bag	1000 kg	1	90 04179 45659 1	1500 kg/m³	90



## Marble gravel, Red brown

Limestone with a warm, earthy colour tone.  
**Characteristics:** Crushed, washed  
**Stone:** Marble

25 – 50 mm	Big bag	1000 kg	1	90 04179 45669 0	1500 kg/m³	90
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## Lava mulch, Brown

- Non-rotting, open-pore mulch material with warm, natural radiance
- Stores water and slowly distributes it back into the soil
- Improves the soil fauna by constantly keeping it moist
- Protects the soil from direct sunlight and drying up
- Reduces evaporation thanks to capillary break on the soil surface
- The high proportion of air in the grains stores the heat and reduces the daily temperature fluctuations in the planting bed, which has a positive effect on plant development
- Optimum air permeability and increased oxygenation
- Contains valuable minerals and trace elements
- No soil erosion when it rains and when watering
- Structurally stable – the soil isn't compressed through use
- Reduces accessibility of the plant bed, even after heavy rain fall
- Poor growing conditions for wild herb seeds due to the coarse and dry surface
- Quick drying of the bed surface reduces rotting and mould and bacteria formation
- Doesn't rot - nitrogen is therefore not removed from the soil and remains accessible for plants
- Protects against snail infestation thanks to the coarse surface
- Reduced maintenance effort

### Additional application possibilities:

- Mediterranean hydroponics (alternative to expanded clay)
- Top layer and/or drainage layer in plant container and flower pot
- Protection against splash water on walls
- Tree discs

**Characteristics:** Crushed aggregate  
**Stone:** Volcanic lava

8 – 25 mm	PE sack	20 kg	48	90 04179 45545 7	1000 kg/m³*	50
8 – 25 mm	Tandem-Bags	343 kg	1	90 04179 45547 1	1000 kg/m³*	50
8 – 25 mm	Tandem-Bags	800 kg	1	90 04179 45548 8	1000 kg/m³*	50
8 – 25 mm	Big bag	800 kg	1	90 04179 45549 5	1000 kg/m³*	50

\* at approx. 15% water content





## Lava chips, ember and black

Open-pore lava with rich black and red colours. The lava has a very warm aura, almost as though it hasn't solidified yet.

**Characteristics:** Crushed aggregate

**Stone:** Volcanic lava

8 – 16 mm	PE sack	20 kg	48	90 04179 48555 3	1150 kg/m³*	35
8 – 16 mm	Big bag	800 kg	1	90 04179 48559 1	1150 kg/m³*	35
16 – 32 mm	PE sack	20 kg	48	90 04179 48055 8	1150 kg/m³*	50
16 – 32 mm	Big bag	800 kg	1	90 04179 48059 6	1150 kg/m³*	50

\* at approx. 15% water content

## Lava fragments, Black red

Very light, volcanic lava with mystic appearance.

**Characteristics:** Fragment, lime-free

**Stone:** Lava

50 – 300 mm	Mesh basket	1 kg	200	90 04179 57727 2	400 kg/m³	300
200 – 300 mm	Mesh basket	1 pc.	70	90 04179 57722 7	400 kg/m³	300

## Limestone chips, Colourful July

Summery stones with different, Mediterranean shades.

**Characteristics:** Crushed aggregate, washed

**Stone:** Limestone

22 – 32 mm	PE sack	25 kg	48	90 04179 51166 5	1500 kg/m³	60
22 – 32 mm	Big bag	1000 kg	1	90 04179 51169 6	1500 kg/m³	60

## Marble chips, Gold ochre

Baroque marble with warm appearance.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

8 – 12 mm	PE sack	10 kg	60	90 04179 51544 1	1500 kg/m³	30
8 – 12 mm	PE sack	25 kg	48	90 04179 51546 5	1500 kg/m³	30
8 – 12 mm	Big bag	1000 kg	1	90 04179 51549 6	1500 kg/m³	30
16 – 25 mm	PE sack	25 kg	48	90 04179 51046 0	1500 kg/m³	45
16 – 25 mm	Tandem-Bags	428 kg	1	90 04179 51047 7	1500 kg/m³	45
16 – 25 mm	Tandem-Bags	1000 kg	1	90 04179 51048 4	1500 kg/m³	45
16 – 25 mm	Big bag	1000 kg	1	90 04179 51049 1	1500 kg/m³	45

## Marble gravel, Gold ochre

Baroque marble with warm appearance.

Also for filling narrow gabions with up to 25 mm wire spacing.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

25 – 50 mm	PE sack	25 kg	48	90 04179 51646 2	1500 kg/m³	90
25 – 50 mm	Tandem-Bags	428 kg	1	90 04179 51647 9	1500 kg/m³	90
25 – 50 mm	Tandem-Bags	1000 kg	1	90 04179 51648 6	1500 kg/m³	90
25 – 50 mm	Big bag	1000 kg	1	90 04179 51649 3	1500 kg/m³	90



NEW





NEW

22-32 mm  
PE sack



## Marble chips, Siena yellow

Washed chips made from Italian Siena marble.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

9 – 12 mm	PE sack	25 kg	48	90 04179 51516 8	1500 kg/m³	30
9 – 12 mm	Big bag	1000 kg	1	90 04179 51519 9	1500 kg/m³	30
22 – 32 mm	PE sack	25 kg	48	90 04179 51116 0	1500 kg/m³	60
22 – 32 mm	Big bag	1000 kg	1	90 04179 51119 1	1500 kg/m³	60



## Green slate chips, Glitter green

Glossy chips in different shades of green.

**Characteristics:** Crushed aggregate, washed

**Stone:** Green slate

8 – 16 mm	PE sack	25 kg	48	90 04179 47556 1	1600 kg/m³	35
8 – 16 mm	Big bag	1000 kg	1	90 04179 47559 2	1600 kg/m³	35
16 – 25 mm	Big bag	1000 kg	1	90 04179 47059 7	1600 kg/m³	45



## Green slate gravel, Glitter green

Shiny gravel in different shades of green.

Also for filling up narrow gabions up to 25 mm wire spacing.

**Characteristics:** Crushed, washed

**Stone:** Green slate

25 – 50 mm	Big bag	1000 kg	1	90 04179 47659 9	1600 kg/m³	90
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## Marble chips, Danube blue

Washed chips made from dark blue marble with partial white and light grey grain.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

8 – 12 mm	PE sack	10 kg	60	90 04179 49534 7	1550 kg/m³	30
8 – 12 mm	PE sack	25 kg	48	90 04179 49536 1	1550 kg/m³	30
8 – 12 mm	Big bag	1000 kg	1	90 04179 49539 2	1550 kg/m³	30
16 – 25 mm	PE sack	25 kg	48	90 04179 49036 6	1550 kg/m³	45
16 – 25 mm	Tandem-Bags	428 kg	1	90 04179 49037 3	1550 kg/m³	45
16 – 25 mm	Tandem-Bags	1000 kg	1	90 04179 49038 0	1550 kg/m³	45
16 – 25 mm	Big bag	1000 kg	1	90 04179 49039 7	1550 kg/m³	45



## Marble gravel, Danube blue

Rubble stone made from dark blue marble.

Also for filling narrow gabions with up to 25 mm wire spacing.

**Characteristics:** Crushed aggregate

**Stone:** Marble

25 – 50 mm	PE sack	25 kg	48	90 04179 49636 8	1500 kg/m³	90
25 – 50 mm	Tandem-Bags	428 kg	1	90 04179 49637 5	1500 kg/m³	90
25 – 50 mm	Tandem-Bags	1000 kg	1	90 04179 49638 2	1500 kg/m³	90
25 – 50 mm	Big bag	1000 kg	1	90 04179 49639 9	1500 kg/m³	90



## Marble chips, Silver grey

Washed marble chips with a light, timeless shade of grey.

**Characteristics:** Crushed aggregate, washed

**Stone:** Marble

8 – 12 mm	PE sack	25 kg	48	90 04179 49546 0	1500 kg/m³	30
8 – 12 mm	Big bag	1000 kg	1	90 04179 49549 1	1500 kg/m³	30
16 – 25 mm	Big bag	1000 kg	1	90 04179 49049 6	1500 kg/m³	45



## Limestone chips, Mouse grey

Dark grey limestone – simple and elegant.

**Characteristics:** Crushed aggregate, washed

**Stone:** Limestone

8 – 12 mm	Big bag	1000 kg	1	90 04179 49569 9	1500 kg/m³	30
16 – 25 mm	Big bag	1000 kg	1	90 04179 49069 4	1500 kg/m³	45



## Marble chips, Grey white

Dark grey limestone with white calcite veins.

**Characteristics:** Crushed aggregate, washed

**Stone:** Limestone

16 – 25 mm	PE sack	25 kg	48	90 04179 49006 9	1500 kg/m³	45
16 – 25 mm	Big bag	1000 kg	1	90 04179 49009 0	1500 kg/m³	45



NEW

PE sack

## Marble gravel, Grey white

Dark grey limestone with white calcite veins.

**Characteristics:** Crushed aggregate, washed

**Stone:** Limestone

25 – 50 mm	Big bag	1000 kg	1	90 04179 49609 2	1500 kg/m³	90
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## Gneiss gravel, Glimmer grey

Shimmering gravel with flat grain shape.

**Characteristics:** Crushed aggregate

**Stone:** Gneiss

25 – 50 mm	Big bag	1000 kg	1	90 04179 49619 1	1500 kg/m³	90
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NEW



## Gneiss gravel, poplar silver

Silver shimmering gneiss is reminiscent of bark. Bar-shaped gravel with grey, white and brown layers.

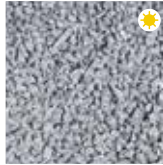
Characteristics: Crushed aggregate, washed

Stone: Gneiss

16 – 40 mm	Big bag	1000 kg	1	90 04179 48049 7	1500 kg/m³	55
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NEW

PE sack  
16-25 mm



## Granite chips, Salt & pepper

Washed chips made from classic granite. This traditional natural stone blends into the landscape harmoniously.

**Characteristics:** Crushed aggregate, washed

Stone: Granite

8 – 12 mm	PE sack	25 kg	48	90 04179 49576 7	1600 kg/m³	30
8 – 12 mm	Big bag	1000 kg	1	90 04179 49579 8	1600 kg/m³	30
16 – 25 mm	PE sack	25 kg	48	90 04179 49076 2	1600 kg/m³	45
16 – 25 mm	Big bag	1000 kg	1	90 04179 49079 3	1600 kg/m³	45



## Granite gravel, Salt & pepper

Washed rubble stone made from classic granite.

Also for filling narrow gabions with up to 25 mm wire spacing.

**Characteristics:** Crushed aggregate, washed

**Stone:** Granite

25 – 50 mm	PE sack	25 kg	48	90 04179 49676 4	1600 kg/m³	90
25 – 50 mm	Big bag	1000 kg	1	90 04179 49679 5	1600 kg/m³	90

**NEW**

## Syenite chips, anthracite grey

Dark granite-like hard stone with glitter effect. Contains naturally occurring brown gravel that can be removed by hand after pouring out.

**Characteristics:** Crushed aggregate, washed

Stone: Syenite

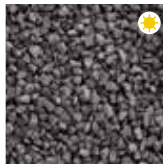
16 – 32 mm	Big bag	1000 kg	1	90 04179 48039 8	1600 kg/m³	50
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## Basalt chips, Black

Washed chips made from hard basalt.

**Characteristics:** Crushed aggregate, washed

Stone: Basalt



8 – 12 mm	PE sack	25 kg	48	90 04179 49526 2	1600 kg/m³	30
8 – 12 mm	Big bag	1000 kg	1	90 04179 49529 3	1600 kg/m³	30
16 – 32 mm	PE sack	25 kg	48	90 04179 49026 7	1600 kg/m³	50
16 – 32 mm	Tandem-Bags	428 kg	1	90 04179 49027 4	1600 kg/m³	50
16 – 32 mm	Tandem-Bags	1000 kg	1	90 04179 49028 1	1600 kg/m³	50
16 – 32 mm	Big bag	1000 kg	1	90 04179 49029 8	1600 kg/m³	50



## Basalt gravel, Black

Washed rubble stone made from hard basalt.  
Also for filling narrow gabions with up to 25 mm wire spacing.  
**Characteristics:** Crushed aggregate, washed  
**Stone:** Basalt

25 – 50 mm	PE sack	25 kg	48	90 04179 49626 9	1600 kg/m³	90
25 – 50 mm	Tandem-Bags	428 kg	1	90 04179 49627 6	1600 kg/m³	90
25 – 50 mm	Tandem-Bags	1000 kg	1	90 04179 49628 3	1600 kg/m³	90
25 – 50 mm	Big bag	1000 kg	1	90 04179 49629 0	1600 kg/m³	90



## Marble chips, Black-white

With white calcite streaks through the black marble. Luxurious simplicity and modesty in modern designs.  
**Characteristics:** Crushed aggregate  
**Stone:** Marble

16 – 25 mm	PE sack	25 kg	48	90 04179 49096 0	1550 kg/m³	45
16 – 25 mm	Big bag	1000 kg	1	90 04179 49099 1	1550 kg/m³	45



**NEW**  
PE sack



Marble chips, Chateau beige and Verona red, 9–12 mm



Marble chips, Silver grey and Limestone chips, Mouse grey, 9–12 mm



Basalt chips, Black and Marble chips, Silver grey, 9–12 mm

**TIP**  
MIX



Marble chips, Verona red and Gold ochre, 9–12 mm



Decorative marble pebbles, Ebony black and Carrara white, 16–25 mm



Marble chips, Verona red and Basalt chips, Black, 9–12 mm



Basalt chips, Black and Limestone chips, Mouse grey, 8–12 mm



Marble chips, Siena yellow and Marble chips, Verona red, 9–12 mm



Marble chips, Chateau beige & Limestone chips, Mouse grey 9–12 mm



Glass chips, Clear and Flash blue, 4–8 mm



Glass chips, Clear and Garden green, 4–8 mm



Basalt chips, Black and Carrara white, 9–12 mm





### Marble gravel, Black-white

With white calcite streaks through the black marble. Luxurious simplicity and modesty in modern designs.  
**Characteristics:** Crushed aggregate  
**Stone:** Marble

25 – 50 mm	PE sack	25 kg	48	90 04179 49696 2	1550 kg/m³	90
25 – 50 mm	Big bag	1000 kg	1	90 04179 49699 3	1550 kg/m³	90



### Slate gravel, Provence

Silky shimmering mulch material - for elegant gardens. Brilliant when used in water (stream, aquarium).  
**Characteristics:** Flat grain, split  
**Stone:** Slate

30 – 60 mm	PE sack	20 kg	48	90 04179 45785 7	1200 kg/m³	40
30 – 60 mm	Big bag	1000 kg	1	90 04179 45789 5	1200 kg/m³	40



## Slate gravel, Graphite black

Silky shimmering mulch material - for elegant gardens. Brilliant when used in water (stream, aquarium). White quartz streaks and rust brown iron oxide discolouration can occur individually.

**Characteristics:** Flat grain, split

**Stone:** Slate

20 – 40 mm	PE sack	20 kg	48	90 04179 49685 6	1200 kg/m³	30
20 – 40 mm	Big bag	1000 kg	1	90 04179 49689 4	1200 kg/m³	30
30 – 70 mm	PE sack	20 kg	48	90 04179 49785 3	1200 kg/m³	40
30 – 70 mm	Tandem-Bags	428 kg	1	90 04179 49787 7	1200 kg/m³	40
30 – 70 mm	Tandem-Bags	1000 kg	1	90 04179 49788 4	1200 kg/m³	40
30 – 70 mm	Big bag	1000 kg	1	90 04179 49789 1	1200 kg/m³	40



## Glass chips, Crystal clear

Coarsely crushed white glass - a stylistic element for modern architecture. A small proportion of discolouring is possible.

**Characteristics:** Crushed aggregate, washed

**Stone:** Glass

4 – 8 mm	PE sack	10 kg	60	90 04179 41464 5	1350 kg/m³	25
4 – 8 mm	Big bag	1000 kg	1	90 04179 41469 0	1350 kg/m³	25



## Glass chips, Garden green

Coarsely crushed green glass - a stylistic element for modern architecture. A small proportion of discolouring is possible.

**Characteristics:** Crushed aggregate, washed

**Stone:** Glass

4 – 8 mm	PE sack	10 kg	60	90 04179 47434 2	1350 kg/m³	25
4 – 8 mm	Big bag	1000 kg	1	90 04179 47439 7	1350 kg/m³	25



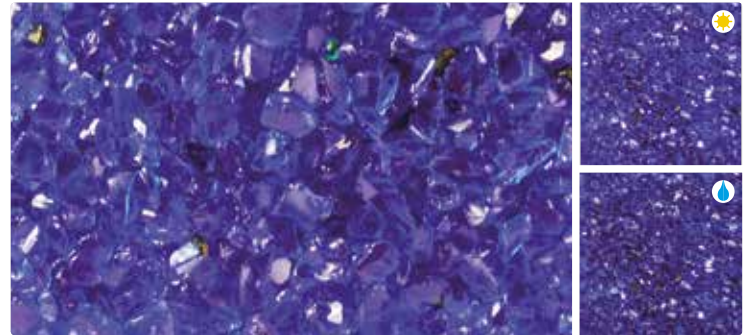
## Glass chips, Flash blue

Coarsely crushed blue glass - an absolute eye-catcher. A small proportion of discolouring is possible.

**Characteristics:** Crushed aggregate, washed

**Stone:** Glass

4 – 8 mm	PE sack	10 kg	60	90 04179 49454 8	1350 kg/m³	25
4 – 8 mm	Big bag	1000 kg	1	90 04179 49459 3	1350 kg/m³	25



## Glass rocks, Tahiti turquoise

In lustrous lagoon-coloured glass. A spectacular eye-catcher.

**Characteristics:** Fragment, washed, lime-free

**Stone:** Glass

150 – 250 mm	Mesh basket	1 kg	700	90 04179 57757 9	1400 kg/m³	
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# DECORATIVE PEBBLES



## Quartz pebbles, White-colourful

Washed quartz pebbles with high degree of round granularity and light colours. Contains a small amount of broken stones.

**Characteristics:** Round grain, washed  
**Stone:** Quartz

8 – 16 mm	Big bag	1000 kg	1	90 04179 43359 2	1650 kg/m³	35
16 – 32 mm	PE sack	25 kg	48	90 04179 43456 8	1650 kg/m³	50
16 – 32 mm	Big bag	1000 kg	1	90 04179 43459 9	1650 kg/m³	50

NEW



## River pebbles, Grey-beige

Natural river pebble from the Isonzo river plain. Highly rounded gravel with subtly modern colours.

**Characteristics:** Round grain, washed twice  
**Stone:** Limestone

16 – 32 mm	Big bag	1000 kg	1	90 04179 53549 4	1550 kg/m³	50
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# River pebbles, Colourful

Twice-washed quartz pebbles with high degree of round granularity and pleasant colours. Contains a small amount of broken stones.

Characteristics: Round grain, washed twice

Stone: Quartz

*6 – 8 mm	PE sack	25 kg	48	90 04179 31746 5	1650 kg/m³	25
*6 – 8 mm	Big bag	1000 kg	1	90 04179 31749 6	1650 kg/m³	25
*6 – 8 mm	Bulk	1000 kg		90 04179 31740 3	1650 kg/m³	25
8 – 16 mm	PE sack	10 kg	60	90 04179 32144 8	1650 kg/m³	35
8 – 16 mm	PE sack	25 kg	48	90 04179 32146 2	1650 kg/m³	35
8 – 16 mm	Big bag	1000 kg	1	90 04179 32149 3	1650 kg/m³	35
**16 – 32 mm	PE sack	10 kg	60	90 04179 32244 5	1650 kg/m³	50
**16 – 32 mm	PE sack	25 kg	48	90 04179 32246 9	1650 kg/m³	50
**16 – 32 mm	Tandem-Bags	428 kg	1	90 04179 32247 6	1650 kg/m³	50
**16 – 32 mm	Tandem-Bags	1000 kg	1	90 04179 32248 3	1650 kg/m³	50
**16 – 32 mm	Big bag	1000 kg	1	90 04179 32249 0	1650 kg/m³	50
16 – 32 mm	Bulk	1000 kg		90 04179 32240 7	1650 kg/m³	50
32 – 50 mm	PE sack	25 kg	48	90 04179 32446 3	1600 kg/m³	80
32 – 50 mm	Tandem-Bags	428 kg	1	90 04179 32447 0	1600 kg/m³	80
32 – 50 mm	Tandem-Bags	1000 kg	1	90 04179 32448 7	1600 kg/m³	80
32 – 50 mm	Big bag	1000 kg	1	90 04179 32449 4	1600 kg/m³	80
50 – 100 mm	Big bag	1000 kg	1	90 04179 32549 1	1600 kg/m³	150
50 – 150 mm	Big bag	1000 kg	1	90 04179 32649 8	1600 kg/m³	150
50 – 150 mm	Bulk	1000 kg		90 04179 32640 5	1600 kg/m³	150
***150 – 300 mm	Mesh basket	1 kg	800	90 04179 32747 1	1600 kg/m³	300

\* Can also be used as high quality fall protection gavel 6-8 mm: Complies with EN 1176-1 playground equipment and surfacing. Very good suppression and shock absorption due to high level of round granularity. Smooth grain surface and limited grain size range. Dust-free and high abrasion resistance (quartz). For long-lasting, clean, natural and visually appealing playground designs. Minimum layer thickness in accordance with EN 1176-1: <2 m critical drop height of at least 30 cm fall protection gravel, <3 m critical drop height of at least 40 cm fall protection gravel. You will find our 4-8 mm fall protection gravel in the "ENVIRONMENT & LEISURE" product range. This product also complies with EN 1176-1.

\*\* For use as high-quality roof gravel 16-32 mm: Without grain and fine particles, washed clean, minimal breakage, lime-free. Pneumatic conveyance (transferring onto the roof) can destroy grains – not a reason for complaint!

\*\*\* Hand-sorted, different stone colours and shapes.

# Boulders, Colourful

Sorted by hand, various stone colours and shapes.

Characteristics: Round, washed twice

Stone: Quartz

300 – 500 mm	Wood frame	1 kg	730	90 04179 32847 8		
500 – 1000 mm	Pallet	1 kg		90 04179 32947 5		







### Granite decorative pebbles, Salt & pepper

Round tumbled granite pebbles, high quality and hard.  
**Characteristics:** Round grain  
**Stone:** Granite

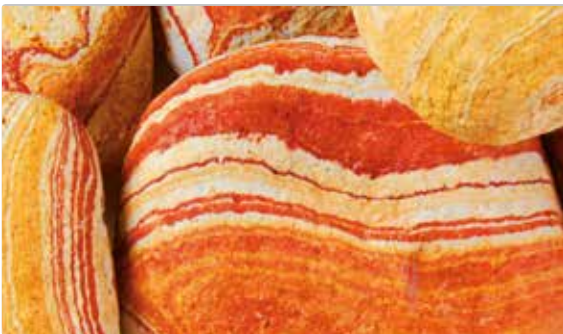
15 – 25 mm	PE sack	25 kg	24	90 04179 53506 7	1550 kg/m³	45
15 – 25 mm	Big bag	1000 kg	1	90 04179 53509 8	1550 kg/m³	45
25 – 50 mm	PE sack	25 kg	24	90 04179 53606 4	1550 kg/m³	80
25 – 50 mm	Big bag	1000 kg	1	90 04179 53609 5	1550 kg/m³	80
100 – 300 mm	Mesh basket	1 kg	820	90 04179 53907 2	1650 kg/m³	300
150 – 250 mm	Mesh basket	1 pc.	150	90 04179 53902 7	1650 kg/m³	300



### Angel stone, Green-white

Round tumbled green decorative stones with white layers throughout.  
**Characteristics:** Round grain  
**Stone:** Marble

15 – 25 mm	PE sack	25 kg	24	90 04179 48526 3	1550 kg/m³	45
15 – 25 mm	Big bag	1000 kg	1	90 04179 48529 4	1550 kg/m³	45
25 – 50 mm	PE sack	25 kg	24	90 04179 48626 0	1550 kg/m³	80
25 – 50 mm	Big bag	1000 kg	1	90 04179 48629 1	1550 kg/m³	80
100 – 300 mm	Mesh basket	1 kg	820	90 04179 48927 8	1650 kg/m³	300
150 – 250 mm	Mesh basket	1 pc.	200	90 04179 48922 3	1650 kg/m³	300



### Rainbow stone, Red yellow

Round-tumbled decorative stone with arched markings.  
Not frost-resistant.  
**Characteristics:** Round grain  
**Stone:** Sandstone

100 – 300 mm	Mesh basket	1 kg	620	90 04179 46917 1	1400 kg/m³	300
150 – 250 mm	Mesh basket	1 pc.	150	90 04179 46912 6	1400 kg/m³	300



# Marble decorative pebbles, Cloud white

Exquisite marble from Styria. The smooth, dust-free stone surface keeps the gravel clean for longer.

Characteristics: Round grain, washed

Stone: Marble

5 – 12 mm	Big bag	1000 kg	1	90 04179 43139 0	1500 kg/m³	30
12 – 16 mm	PE sack	25 kg	48	90 04179 43336 3	1500 kg/m³	35
12 – 16 mm	Big bag	1000 kg	1	90 04179 43339 4	1500 kg/m³	35
16 – 25 mm	PE sack	25 kg	48	90 04179 43436 0	1500 kg/m³	45
16 – 25 mm	Big bag	1000 kg	1	90 04179 43439 1	1500 kg/m³	45
25 – 40 mm	PE sack	25 kg	48	90 04179 43536 7	1500 kg/m³	60
25 – 40 mm	Big bag	1000 kg	1	90 04179 43539 8	1500 kg/m³	60
40 – 60 mm	PE sack	25 kg	48	90 04179 43636 4	1500 kg/m³	90
40 – 60 mm	Big bag	1000 kg	1	90 04179 43639 5	1500 kg/m³	90
60 – 100 mm	Big bag	1000 kg	1	90 04179 43739 2	1500 kg/m³	150



# Marble decorative pebbles, Carrara white

Round tumbled Carrara marble, white and high-grade. An extravagant eye-catcher in the house and garden.

Characteristics: Round grain

Stone: Marble

5 – 12 mm	PE sack	25 kg	48	90 04179 43106 2	1500 kg/m³	30
5 – 12 mm	Big bag	1000 kg	1	90 04179 43109 3	1500 kg/m³	30
12 – 16 mm	PE sack	10 kg	60	90 04179 43304 2	1500 kg/m³	35
12 – 16 mm	PE sack	25 kg	48	90 04179 43306 6	1500 kg/m³	35
12 – 16 mm	Big bag	1000 kg	1	90 04179 43309 7	1500 kg/m³	35
16 – 25 mm	PE sack	10 kg	60	90 04179 43404 9	1500 kg/m³	45
16 – 25 mm	PE sack	25 kg	48	90 04179 43406 3	1500 kg/m³	45
16 – 25 mm	Big bag	1000 kg	1	90 04179 43409 4	1500 kg/m³	45
25 – 40 mm	PE sack	25 kg	48	90 04179 43506 0	1500 kg/m³	60
25 – 40 mm	Big bag	1000 kg	1	90 04179 43509 1	1500 kg/m³	60
40 – 60 mm	PE sack	25 kg	48	90 04179 43606 7	1500 kg/m³	90
40 – 60 mm	Big bag	1000 kg	1	90 04179 43609 8	1500 kg/m³	90
60 – 100 mm	Big bag	1000 kg	1	90 04179 43709 5	1500 kg/m³	150
100 – 300 mm	Mesh basket	1 kg	820	90 04179 43807 8	1650 kg/m³	300
150 – 250 mm	Mesh basket	1 pc.	200	90 04179 43802 3	1650 kg/m³	300



# Marble decorative pebbles, Thassos white

Bright white marble from the island of Thassos. Stylish stones with a smoothly polished surface.

Characteristics: Round grain, washed

Stone: Marble

15 – 25 mm	PE sack	25 kg	48	90 04179 43466 7	1500 kg/m³	45
15 – 25 mm	Big bag	1000 kg	1	90 04179 43469 8	1500 kg/m³	45
25 – 50 mm	PE sack	25 kg	48	90 04179 43566 4	1500 kg/m³	80
25 – 50 mm	Big bag	1000 kg	1	90 04179 43569 5	1500 kg/m³	80
50 – 80 mm	PE sack	25 kg	48	90 04179 43666 1	1500 kg/m³	120
50 – 80 mm	Big bag	1000 kg	1	90 04179 43669 2	1500 kg/m³	120







## Glacial pebbles, Chateau beige

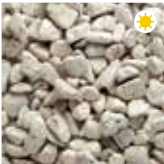
Gravel with rounded edges from glacial till with a pleasant, beige colour.

- Low in phosphorus - less algae and biofilm growth by limiting nutrients
- Constant replacement of limestone for regulating the PH

**Characteristics:** Round grain, washed

**Stone:** Limestone

16 – 25 mm	Big bag	1000 kg	1	90 04179 43419 3	1600 kg/m³	45
40 – 60 mm	Big bag	1000 kg	1	90 04179 43619 7	1600 kg/m³	90



## Travertine pebbles, Cream caramel

Pebbles with a lot of structure and Mediterranean flair.

**Characteristics:** Round grain, washed

**Stone:** Travertine

15 – 25 mm	PE sack	10 kg	60	90 04179 43424 7	1500 kg/m³	45
15 – 25 mm	Big bag	1000 kg	1	90 04179 43429 2	1500 kg/m³	45

**NEW**

PE sack  
15-25 mm



## Marble decorative pebbles, Verona red

Round tumbled, Italian Verona marble.

**Characteristics:** Round grain, washed

**Stone:** Marble

7 – 15 mm	PE sack	25 kg	24	90 04179 46306 3	1500 kg/m³	30
7 – 15 mm	Big bag	1000 kg	1	90 04179 46309 4	1500 kg/m³	30
15 – 25 mm	PE sack	25 kg	24	90 04179 46506 7	1500 kg/m³	45
15 – 25 mm	Big bag	1000 kg	1	90 04179 46509 8	1500 kg/m³	45
25 – 40 mm	Big bag	1000 kg	1	90 04179 46609 5	1500 kg/m³	60
40 – 60 mm	PE sack	25 kg	24	90 04179 46706 1	1500 kg/m³	90
40 – 60 mm	Big bag	1000 kg	1	90 04179 46709 2	1500 kg/m³	90



## Marble decorative pebbles, Royal red

Luxurious stone in vibrant red, with streaks of white calcite.

**Characteristics:** Round grain, washed

**Stone:** Marble

25 – 50 mm	PE sack	25 kg	24	90 04179 46646 0	1500 kg/m³	80
25 – 50 mm	Big bag	1000 kg	1	90 04179 46649 1	1500 kg/m³	80
50 – 80 mm	Big bag	1000 kg	1	90 04179 46749 8	1500 kg/m³	120





## Limestone pebbles, Colourful July

Summery gravel with different Mediterranean shades.

**Characteristics:** Round grain, washed

**Stone:** Limestone

20 – 30 mm	PE sack	25 kg	48	90 04179 52526 6	1500 kg/m³	50
20 – 30 mm	Big bag	1000 kg	1	90 04179 52529 7	1500 kg/m³	50

## Marble decorative pebbles, Siena yellow

Round tumbled, Italian Siena marble.

**Characteristics:** Round grain, washed

**Stone:** Marble

15 – 25 mm	PE sack	25 kg	24	90 04179 52406 1	1500 kg/m³	45
15 – 25 mm	Big bag	1000 kg	1	90 04179 52409 2	1500 kg/m³	45

## Marble decorative pebbles, Alpine green

Round tumbled, Italian Alpine marble.

**Characteristics:** Round grain, washed

**Stone:** Marble

7 – 15 mm	PE sack	25 kg	24	90 04179 48306 1	1500 kg/m³	30
7 – 15 mm	Big bag	1000 kg	1	90 04179 48309 2	1500 kg/m³	30
40 – 60 mm	PE sack	25 kg	24	90 04179 48706 9	1500 kg/m³	90
40 – 60 mm	Big bag	1000 kg	1	90 04179 48709 0	1500 kg/m³	90

## Marble decorative pebbles, Danube blue

Blue-grey marble gravel with white and light grey gravel.

Simple and reserved – goes perfectly with modern architecture.

**Characteristics:** Round grain, washed

**Stone:** Marble

20 – 30 mm	PE sack	25 kg	48	90 04179 50526 8	1500 kg/m³	50
20 – 30 mm	Big bag	1000 kg	1	90 04179 50529 9	1500 kg/m³	50

## Marble decorative pebbles, Ebony black

Round tumbled Italian ebony marble.

**Characteristics:** Round grain, washed

**Stone:** Marble

7 – 15 mm	PE sack	25 kg	24	90 04179 50306 6	1500 kg/m³	30
7 – 15 mm	Big bag	1000 kg	1	90 04179 50309 7	1500 kg/m³	30
15 – 25 mm	PE sack	25 kg	24	90 04179 50506 0	1500 kg/m³	45
15 – 25 mm	Big bag	1000 kg	1	90 04179 50509 1	1500 kg/m³	45
25 – 40 mm	PE sack	25 kg	24	90 04179 50606 7	1500 kg/m³	60
25 – 40 mm	Big bag	1000 kg	1	90 04179 50609 8	1500 kg/m³	60
40 – 60 mm	PE sack	25 kg	24	90 04179 50706 4	1500 kg/m³	90
40 – 60 mm	Big bag	1000 kg	1	90 04179 50709 5	1500 kg/m³	90



NEW



NEW






- Garden walls with and without mortar
- Raised beds
- Carport walls
- Walkways
- Stairs
- Enclosures
- Edgings
- Mowing edge
- Wine cellars

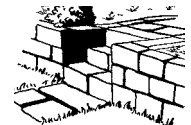
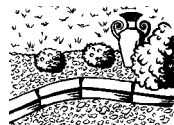
#### Tip

Tuff is very easy to work with. You only need a good cutting instrument. Simply form it to the desired size using a mason's hammer or a saw.

 The declarations of performance for our construction products which are in line with the EU construction product regulation (BauPVo, EU regulation 305/2011) can be found on our website [www.scherf.at](http://www.scherf.at) under „Products“.







# GARDEN BLOCKS

TUFF STONES– VOLCANIC NATURAL STONE





## Tuff

The red-brown tuff is a volcanic stone, consisting of sand, lava, pumice and ash. It is quite porous and has a warm appearance. The Romans used tuff for the construction of villas, baths and spas. In the middle ages it was used to build castles and cities. Today it is used in garden design.

## Attractive

Tuff is perfect for a thriving natural garden. Its grace provides a gentle, mystic atmosphere. In modern gardens it imparts warmth and harmony. After some time, moss starts to grow on the moist areas of the stone. Small ferns take root, various plants flourish in the cracks. The tuff begins to blend into its surroundings.

Damp stones are darker than dry ones – a magnificent play of colours. Rain and frost remove the sand from the pores of the surface. The porous stone bestows the charm of antiquity. Tuff is best combined with terracotta, walkway pebbles, wrought iron and natural stones.

## Handling

Tuff is very easy to work with. You only need a good cutting instrument. Simply form it to the desired size using a mason's hammer or a saw. You have to assume about 5 % broken stones. These stones can be used as start or end stones.

## Dry stone wall

Constructing a foundation from 30 cm compacted SCHERF broken gravel, 0 - 32 mm. On one of the following fine levels of SCHERF road chips, lay down the first row. Then lay the stones on top of each other without binder. Due to the rough surfaces, the stones become wedged together and cannot slip. When building a retaining wall, please note the following: The support function requires an inclination of the wall of 5 - 10%. Take this into consideration when applying the fine level. Behind the first stone row, lay a drainage pipe with a 5 cm diameter and place a fleece on the slope. In order to avoid white efflorescence on the stone surfaces, it is advisable to place a notched protection board directly behind the stone wall. Efflorescence occurs due to the entry of salts which could be contained in the ground material behind the wall. Backfill the wall during construction with a water-permeable SCHERF round gravel with a grain size of 16 - 32 mm (approx. 15 cm wide). Backfill the first 15 cm with soil and lay a mat between the gravel and soil.



## Mortar wall

Constructing a concrete foundation. Build the wall with a mortar made of trass cement and sand (SCHERF wall and plaster sand 0 - 5 mm or SCHERF screed sand 0.06 - 4 mm). Ensure that the mortar gap is a uniform one centimetre. Tuff stone can also be walled up with a thin bed of natural stone adhesive. In doing this, the stones must be cleaned well from the dust which attaches to them. Through this, the effect of a drywall is reached. Ideal construction method for raised beds.





Size length x width x height	Unit	Units/pallet	EAN code	Piece / m²
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## Tuff block

Tuff block in brick format. As bevelled edge for lawn mowing and for construction of arches, wine cellars, etc.

**Characteristics:** Natural brick, sawed, diamond-grinded



approx. 25 x 12 x 5,5 cm	1 pc. (2,5 kg)	400	90 04179 58010 4	72
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## Tuff block

Kerbstone for enclosing lawn areas, flowerbeds, etc. For constructing raised flowerbeds.

**Characteristics:** Natural brick, sawed



approx. 37 x 11 x 11 cm	1 pc. (7 kg)	162	90 04179 58030 2	
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## Tuff block

For construction of dry stone walls up to 1.5 m in height (retaining walls, various levels in a garden) and for non-load bearing mortar walls.

**Characteristics:** Natural brick, sawed



approx. 37 x 20 x 11 cm	1 pc. (12 kg)	94	90 04179 58060 9	25
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## Tuff block

For construction of stable and load bearing mortar walls (enclosure walls, fencing, carports, etc.) and for dry stone walls (retaining walls).

**Characteristics:** Natural brick, sawed



approx. 37 x 27 x 11 cm	1 pc. (17 kg)	63	90 04179 58100 2	25
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## Tuff block

For construction of external walls (house construction, garden sheds).

**Characteristics:** Natural brick, sawed



approx. 37 x 27 x 20 cm	1 pc. (30 kg)	35	90 04179 58130 9	14
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## Tuff plate

As a paving tile for paths and plaza (cannot be driven on by vehicles).

**Characteristics:** Natural brick, sawed



approx. 37 x 37 x 11 cm	1 pc. (23 kg)	48	90 04179 58170 5	8
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## Tuff step

Steps for bridging two levels in the garden or as rustic cellar stairs.

**Characteristics:** Natural brick, sawed



approx. 80 x 37 x 16 cm	1 pc. (71 kg)	21	90 04179 58250 4	
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Very long lifespan



Non-flake coating



Strong wire



„State of the art“

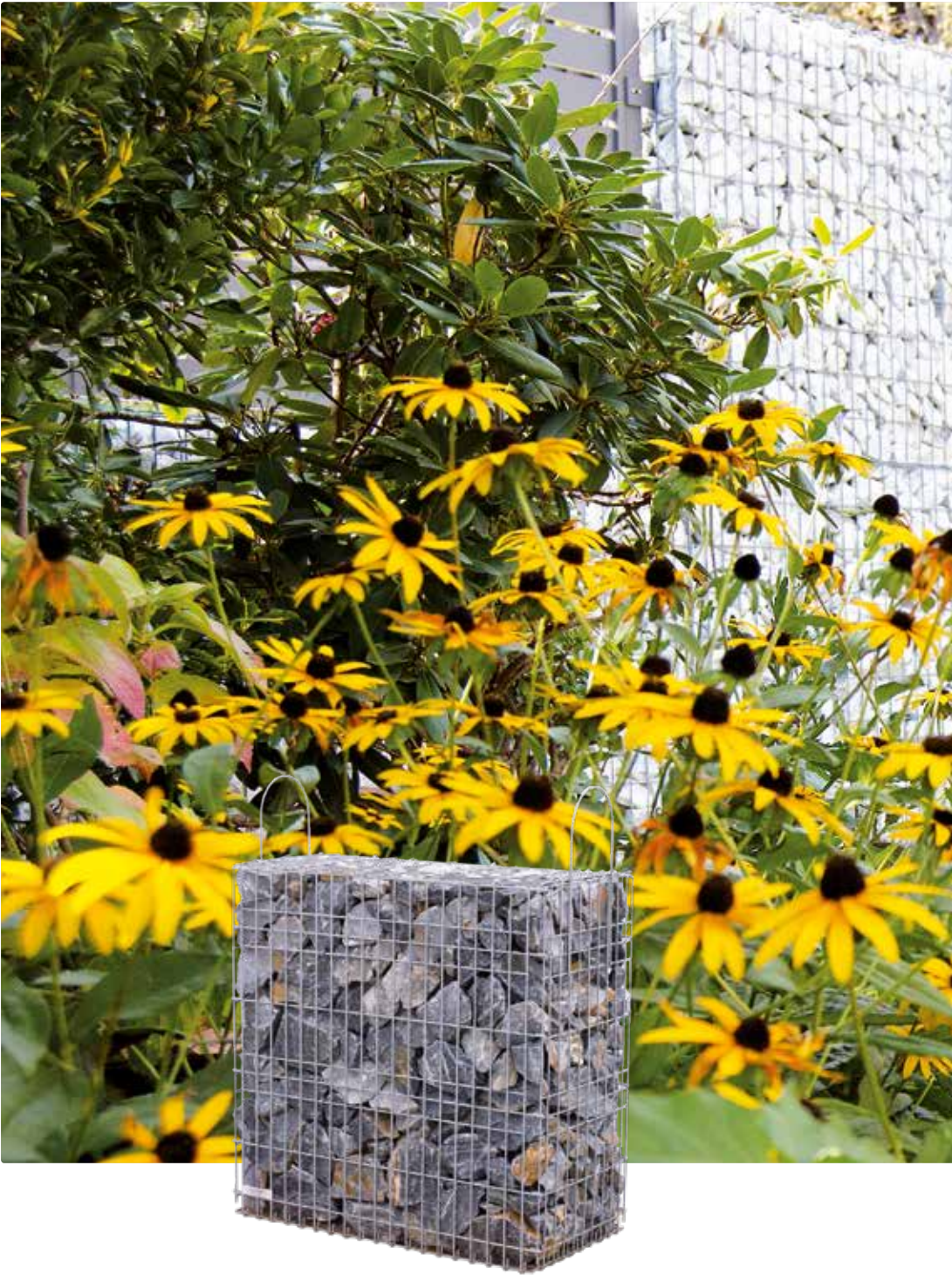
Uses

In gardens and landscaping, roadworks and hydraulic engineering. In modern architecture.

- Free-standing walls  
Visual privacy, noise abatement, protection from wind and dust, wall coverings, land enclosures, fencing of parks and playgrounds, entrance and transit barriers, structures (e.g.: carports).
- Retaining walls  
Slope and embankment fortification, garden walls, landslide rehabilitation, pavement fortification, pond construction, bank fortification, dam reinforcement.
- Other uses  
Solitary gabions in the garden, benches, columns, flower planters, booth design, wayside fortification, garbage islands.

Characteristics/description

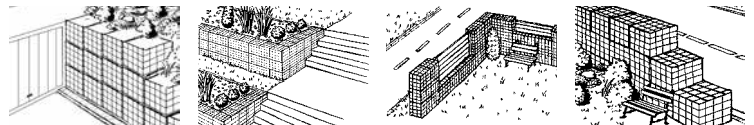
Electrically spot-welded steel wire mesh mats, zinc-aluminium alloy (coating thickness 350 g/m²), effective corrosion protection (confirmed in 3000-hour salt-spray test according to DIN EN ISO 9227 NSS), the remote action of the coating also protects untreated welds and joints; excellent adhesion of the alloy (no flaking), decades of durability, dimensional stability under load, high quality, attractive appearance, ecological design, water-permeable, habitat for plants and animals, can be planted with climbing plants, numerous design options, cost-effective foundation, sound-absorbing, no incentive for graffiti.



! Our natural products are subject to variation in colour, texture and size. Due to the nature of the printing process, the images may not correspond to the actual stone colour. (See sample service on page 4). The information about stone sizes relates to the sieve mesh size. Larger side lengths with longer stones and a small proportion of smaller stones cannot be avoided due to the nature of the sieves. Many types of products are delivered „washed“. A little bit of abrasive dust is produced as a result of manipulating the material when packaging it. This does not constitute grounds for a complaint.

		Prefabricated gabions	DIY gabions	Curve gabions	Fence gabions
Mesh width	5 x 10 cm		✓	✓	✓
	10 x 10 cm		✓		
	5 x 15 cm	✓			
Wall depth	20 cm				✓
	30 cm		✓	✓	
	50 cm	✓	✓	✓	
	100 cm	✓	✓		
Self-construction			✓	✓	✓
Finished part		✓			





# GABIONS

## STONE BASKETS



# PREFABRICATED GABIONS

Filled and compressed at the factory

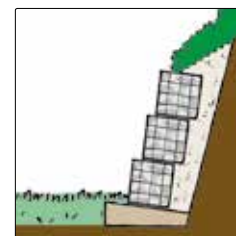


- Prefabricated elements, filled and highly compressed in the factory
- Delivery to the site ready for installation
- Fast installation (short construction time)
- Minimal manual and machine work necessity
- Dimensionally accurate baskets
- No settling of the fill material
- No space required for bulk stones and empty gabions at the site
- Installation independent of weather or season
- Reusable: also suitable for temporary projects
- No „bulging“
- 5 cm spacing of the vertical wires
- Wire thickness 5 and 6 mm
- Wire tensile strength 600 N/mm<sup>2</sup> (6 mm wire thickness)

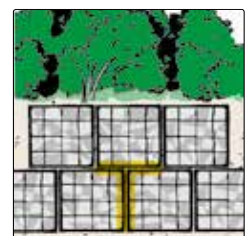
## Wall construction

With the lifting straps welded to the basket and our tested transportation gear, rapid, secure and cost-effective relocation of the baskets is guaranteed. The transportation gear can be loaned out (deposit required).

The wall construction can be performed using various lifting devices (crane, excavator, wheel loader). After placement, the lifting straps are bent inward or cut off with a bolt cutter. For a 50 cm wall depth, the lifting straps must be cut off (except for the top row).



A tiered and/or inclined design is necessary for retaining walls.



Construction with T-shaped gaps provide more stability than a cross-shaped arrangement.



# FILLING

The top layer of a gabion is typically filled with smaller stones, leaving little empty space, so that the weight of the stacked gabions causes them to be securely joined to one another. Please note that these smaller stones can be taken out of the gabion.



## Marble rock gabion, Cloud white

Characteristics: Wall stone basket, crushed, washed. Stone: Marble



## Marble rock gabion, Chateau beige

Characteristics: Wall stone basket, crushed, washed. Stone: Dolomite



## Marble rock gabion, Red brown

Characteristics: Wall stone basket, crushed, washed. Stone: Marble



## Marble rock gabion, Gold ochre

Characteristics: Wall stone basket, crushed, washed. Stone: Marble



## Chlorite rock gabion, Greenschist

Characteristics: Wall stone basket, crushed, washed. Stone: Chlorite



## Marble rock gabion, Danube blue

Characteristics: Wall stone basket, crushed, washed. Stone: Marble



## Hard gneiss rock gabion, Stainz grey

Characteristics: Wall stone basket, crushed, washed. Stone: Hard gneiss, partly rusty



## Marble rock gabion, Grey white

Characteristics: Wall stone basket, crushed, washed. Stone: Chalkstone



## Granite rock gabion, Salt & pepper

Characteristics: Wall stone basket, crushed, washed. Stone: Granite



## Basalt rock gabion, Black

Characteristics: Wall stone basket, crushed, washed. Stone: Basalt



## River pebbles gabion, Colourful

Characteristics: Wall stone basket, round, double-washed. Stone: Quartz



# PREFABRICATED GABION SIZES

## L 50 x D 50 x H 50 cm

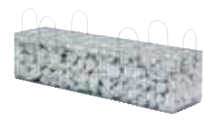
Packaging: Pallet



Colour	Unit	EAN code	D 50
Cloud white	1 pc. (approx. 190 kg)	90 04179 54000 9	
Chateau beige	1 pc. (approx. 190 kg)	90 04179 54001 6	
Red brown	1 pc. (approx. 190 kg)	90 04179 54007 8	
Gold ochre	1 pc. (approx. 190 kg)	90 04179 54090 0	
Greenschist	1 pc. (approx. 190 kg)	90 04179 54060 3	
Danube blue	1 pc. (approx. 190 kg)	90 04179 54002 3	
Stainz grey	1 pc. (approx. 190 kg)	90 04179 54040 5	
Grey white	1 pc. (approx. 190 kg)	90 04179 54008 5	
Salt & pepper	1 pc. (approx. 190 kg)	90 04179 54004 7	
Black	1 pc. (approx. 190 kg)	90 04179 54070 2	
Colourful	1 pc. (approx. 200 kg)	90 04179 54080 1	

## L 200 x D 50 x H 50 cm

Packaging: Pallet



Colour	Unit	EAN code	D 50
Cloud white	1 pc. (approx. 780 kg)	90 04179 54200 3	
Chateau beige	1 pc. (approx. 780 kg)	90 04179 54201 0	
Red brown	1 pc. (approx. 780 kg)	90 04179 54207 2	
Gold ochre	1 pc. (approx. 780 kg)	90 04179 54290 4	
Greenschist	1 pc. (approx. 780 kg)	90 04179 54260 7	
Danube blue	1 pc. (approx. 780 kg)	90 04179 54202 7	
Stainz grey	1 pc. (approx. 780 kg)	90 04179 54240 9	
Grey white	1 pc. (approx. 780 kg)	90 04179 54208 9	
Salt & pepper	1 pc. (approx. 780 kg)	90 04179 54204 1	
Black	1 pc. (approx. 780 kg)	90 04179 54270 6	
Colourful	1 pc. (approx. 810 kg)	90 04179 54280 5	

## L 100 x D 50 x H 50 cm

Packaging: Pallet



Colour	Unit	EAN code	D 50
Cloud white	1 pc. (approx. 390 kg)	90 04179 54100 6	
Chateau beige	1 pc. (approx. 390 kg)	90 04179 54101 3	
Red brown	1 pc. (approx. 390 kg)	90 04179 54107 5	
Gold ochre	1 pc. (approx. 390 kg)	90 04179 54190 7	
Greenschist	1 pc. (approx. 390 kg)	90 04179 54160 0	
Danube blue	1 pc. (approx. 390 kg)	90 04179 54102 0	
Stainz grey	1 pc. (approx. 390 kg)	90 04179 54140 2	
Grey white	1 pc. (approx. 390 kg)	90 04179 54108 2	
Salt & pepper	1 pc. (approx. 390 kg)	90 04179 54104 4	
Black	1 pc. (approx. 390 kg)	90 04179 54170 9	
Colourful	1 pc. (approx. 400 kg)	90 04179 54180 8	

## L 100 x D 50 x H 100 cm

Packaging: Pallet



Colour	Unit	EAN code	D 50
Cloud white	1 pc. (approx. 780 kg)	90 04179 54300 0	
Chateau beige	1 pc. (approx. 780 kg)	90 04179 54301 7	
Red brown	1 pc. (approx. 780 kg)	90 04179 54307 9	
Gold ochre	1 pc. (approx. 780 kg)	90 04179 54390 1	
Greenschist	1 pc. (approx. 780 kg)	90 04179 54360 4	
Danube blue	1 pc. (approx. 780 kg)	90 04179 54302 4	
Stainz grey	1 pc. (approx. 780 kg)	90 04179 54340 6	
Grey white	1 pc. (approx. 780 kg)	90 04179 54308 6	
Salt & pepper	1 pc. (approx. 780 kg)	90 04179 54304 8	
Black	1 pc. (approx. 780 kg)	90 04179 54370 3	
Colourful	1 pc. (approx. 810 kg)	90 04179 54380 2	

## L 150 x D 50 x H 50 cm

Packaging: Pallet



Colour	Unit	EAN code	D 50
Cloud white	1 pc. (approx. 580 kg)	90 04179 55100 5	
Chateau beige	1 pc. (approx. 580 kg)	90 04179 55101 2	
Red brown	1 pc. (approx. 580 kg)	90 04179 55107 4	
Gold ochre	1 pc. (approx. 580 kg)	90 04179 55190 6	
Greenschist	1 pc. (approx. 580 kg)	90 04179 55160 9	
Danube blue	1 pc. (approx. 580 kg)	90 04179 55102 9	
Stainz grey	1 pc. (approx. 580 kg)	90 04179 55140 1	
Grey white	1 pc. (approx. 580 kg)	90 04179 55108 1	
Salt & pepper	1 pc. (approx. 580 kg)	90 04179 55104 3	
Black	1 pc. (approx. 580 kg)	90 04179 55170 8	
Colourful	1 pc. (approx. 600 kg)	90 04179 55180 7	

## L 150 x D 50 x H 100 cm

Packaging: Pallet



Colour	Unit	EAN code	D 50
Cloud white	1 pc. (approx. 1170 kg)	90 04179 54400 7	
Chateau beige	1 pc. (approx. 1170 kg)	90 04179 54401 4	
Red brown	1 pc. (approx. 1170 kg)	90 04179 54407 6	
Gold ochre	1 pc. (approx. 1170 kg)	90 04179 54490 8	
Greenschist	1 pc. (approx. 1170 kg)	90 04179 54460 1	
Danube blue	1 pc. (approx. 1170 kg)	90 04179 54402 1	
Stainz grey	1 pc. (approx. 1170 kg)	90 04179 54440 3	
Grey white	1 pc. (approx. 1170 kg)	90 04179 54408 3	
Salt & pepper	1 pc. (approx. 1170 kg)	90 04179 54404 5	
Black	1 pc. (approx. 1170 kg)	90 04179 54470 0	
Colourful	1 pc. (approx. 1220 kg)	90 04179 54480 9	



L 200 x D 50 x H 100 cm

Packaging: Pallet



Colour	Unit	EAN code	D 50
Cloud white	1 pc. (approx. 1600 kg)	90 04179 54500 4	
Chateau beige	1 pc. (approx. 1600 kg)	90 04179 54501 1	
Red brown	1 pc. (approx. 1600 kg)	90 04179 54507 3	
Gold ochre	1 pc. (approx. 1600 kg)	90 04179 54590 5	
Greenschist	1 pc. (approx. 1600 kg)	90 04179 54560 8	
Danube blue	1 pc. (approx. 1600 kg)	90 04179 54502 8	
Stainz grey	1 pc. (approx. 1600 kg)	90 04179 54540 0	
Grey white	1 pc. (approx. 1600 kg)	90 04179 54508 0	
Salt & pepper	1 pc. (approx. 1600 kg)	90 04179 54504 2	
Black	1 pc. (approx. 1600 kg)	90 04179 54570 7	
Colourful	1 pc. (approx. 1660 kg)	90 04179 54580 6	

L 100 x D 100 x H 100 cm

Packaging: Pallet



Colour	Unit	EAN code	D 100
Cloud white	1 pc. (approx. 1600 kg)	90 04179 54800 5	
Chateau beige	1 pc. (approx. 1600 kg)	90 04179 54801 2	
Red brown	1 pc. (approx. 1600 kg)	90 04179 54807 4	
Gold ochre	1 pc. (approx. 1600 kg)	90 04179 54890 6	
Greenschist	1 pc. (approx. 1600 kg)	90 04179 54860 9	
Danube blue	1 pc. (approx. 1600 kg)	90 04179 54802 9	
Stainz grey	1 pc. (approx. 1600 kg)	90 04179 54840 1	
Grey white	1 pc. (approx. 1600 kg)	90 04179 54808 1	
Salt & pepper	1 pc. (approx. 1600 kg)	90 04179 54804 3	
Black	1 pc. (approx. 1600 kg)	90 04179 54870 8	
Colourful	1 pc. (approx. 1660 kg)	90 04179 54880 7	

L 100 x D 100 x H 50 cm

Packaging: Pallet



Colour	Unit	EAN code	D 100
Cloud white	1 pc. (approx. 780 kg)	90 04179 54600 1	
Chateau beige	1 pc. (approx. 780 kg)	90 04179 54601 8	
Red brown	1 pc. (approx. 780 kg)	90 04179 54607 0	
Gold ochre	1 pc. (approx. 780 kg)	90 04179 54690 2	
Greenschist	1 pc. (approx. 780 kg)	90 04179 54660 5	
Danube blue	1 pc. (approx. 780 kg)	90 04179 54602 5	
Stainz grey	1 pc. (approx. 780 kg)	90 04179 54640 7	
Grey white	1 pc. (approx. 780 kg)	90 04179 54608 7	
Salt & pepper	1 pc. (approx. 780 kg)	90 04179 54604 9	
Black	1 pc. (approx. 780 kg)	90 04179 54670 4	
Colourful	1 pc. (approx. 810 kg)	90 04179 54680 3	

L 150 x D 100 x H 100 cm



Colour	Unit	EAN code	D 100
Cloud white	1 pc. (approx. 2400 kg)	90 04179 54900 2	
Chateau beige	1 pc. (approx. 2400 kg)	90 04179 54901 9	
Red brown	1 pc. (approx. 2400 kg)	90 04179 54907 1	
Gold ochre	1 pc. (approx. 2400 kg)	90 04179 54990 3	
Greenschist	1 pc. (approx. 2400 kg)	90 04179 54960 6	
Danube blue	1 pc. (approx. 2400 kg)	90 04179 54902 6	
Stainz grey	1 pc. (approx. 2400 kg)	90 04179 54940 8	
Grey white	1 pc. (approx. 2400 kg)	90 04179 54908 8	
Salt & pepper	1 pc. (approx. 2400 kg)	90 04179 54904 0	
Black	1 pc. (approx. 2400 kg)	90 04179 54970 5	
Colourful	1 pc. (approx. 2490 kg)	90 04179 54980 4	

L 200 x D 100 x H 50 cm



Colour	Unit	EAN code	D 100
Cloud white	1 pc. (approx. 1600 kg)	90 04179 54700 8	
Chateau beige	1 pc. (approx. 1600 kg)	90 04179 54701 5	
Red brown	1 pc. (approx. 1600 kg)	90 04179 54707 7	
Gold ochre	1 pc. (approx. 1600 kg)	90 04179 54790 9	
Greenschist	1 pc. (approx. 1600 kg)	90 04179 54760 2	
Danube blue	1 pc. (approx. 1600 kg)	90 04179 54702 2	
Stainz grey	1 pc. (approx. 1600 kg)	90 04179 54740 4	
Grey white	1 pc. (approx. 1600 kg)	90 04179 54708 4	
Salt & pepper	1 pc. (approx. 1600 kg)	90 04179 54704 6	
Black	1 pc. (approx. 1600 kg)	90 04179 54770 1	
Colourful	1 pc. (approx. 1660 kg)	90 04179 54780 0	

L 200 x D 100 x H 100 cm



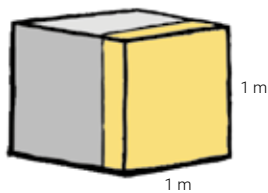
Colour	Unit	EAN code	D 100
Cloud white	1 pc. (approx. 3200 kg)	90 04179 55000 8	
Chateau beige	1 pc. (approx. 3200 kg)	90 04179 55001 5	
Red brown	1 pc. (approx. 3200 kg)	90 04179 55007 7	
Gold ochre	1 pc. (approx. 3200 kg)	90 04179 55090 9	
Greenschist	1 pc. (approx. 3200 kg)	90 04179 55060 2	
Danube blue	1 pc. (approx. 3200 kg)	90 04179 55002 2	
Stainz grey	1 pc. (approx. 3200 kg)	90 04179 55040 4	
Grey white	1 pc. (approx. 3200 kg)	90 04179 55008 4	
Salt & pepper	1 pc. (approx. 3200 kg)	90 04179 55004 6	
Black	1 pc. (approx. 3200 kg)	90 04179 55070 1	
Colourful	1 pc. (approx. 3320 kg)	90 04179 55080 0	



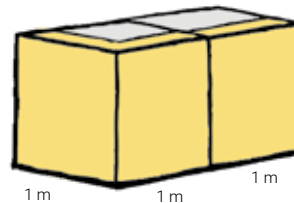
# MANUALLY ARRANGED VISIBLE SURFACES



The larger stones of the filling material are arranged with the flat side on the mat. With this demanding manual work, the look of a Cyclopean stonework is imparted to the stone basket. The pricing is based on the area in m<sup>2</sup>. Every surface can be made into a manually arranged surface.



**= 1 m<sup>2</sup> visible surface**



**= 3 m<sup>2</sup> visible surface**



## Manually arranged gabion visible surfaces

Grain size	Unit	EAN code
100 – 300 mm	1m <sup>2</sup>	90 04179 55950 6



**Marble rock, Danube blue**



**Marble rock, Cloud white**



**Hard gneiss rock, Stainz grey**



**Marble rock, Chateau beige**



**Marble rock, Grey white**



**Marble rock, Red brown**



**Granite rock, Salt & pepper**



**Marble rock, Gold ochre**



**Basalt rock, Black**



**Chlorite rock, Greenschist**



**River pebbles, Colourful**



# BENCH COVER FOR PREFABRICATED GABIONS



## Bench cover L100 x D52 x H5 cm

Bench covers for prefabricated gabions including fastening material.  
**Characteristics:** Natural larch, planed, rounded edges  
**Colour:** Grey

Packaging	Unit	EAN code
Pallet	1 pc. (9,5 kg)	90 04179 55900 1



## Bench cover L150 x D52 x H5 cm

Bench covers for prefabricated gabions including fastening material.  
**Characteristics:** Natural larch, planed, rounded edges  
**Colour:** Grey

Packaging	Unit	EAN code
Pallet	1 pc. (15,5 kg)	90 04179 55910 0



## Bench cover L 200 x D 52 x H 5 cm

Bench covers for prefabricated gabions including fastening material.  
**Characteristics:** Natural larch, planed, rounded edges  
**Colour:** Grey

Packaging	Unit	EAN code
Pallet	1 pc. (21,5 kg)	90 04179 55920 9





DIY gabion with spirally-welded pipe



Fence gabion



# DIY GABIONS

Construction and filling on-site

## Fill technique and mesh size:



### Rubble basket

The fill material is filled in lengthwise and with little empty space.  
Mesh size: 5 x 10 cm



### Building stone basket

The visible surface is finished with building stones. The rest is backfilled with fill material.  
Mesh size: 10 x 10 cm



### Manually arranged visible surface

The larger rock stones of the filling material are arranged by hand with the flat side on the mesh.  
Mesh size: 10 x 10 cm

## Wall construction

For the construction of the gabions, precise instructions are included (also available at [www.scherf.at](http://www.scherf.at) under „Downloads“).

The gabions are to be filled lengthwise and with little empty space with a stone material that is resistant to frost and pressure. The grain size of the fill material must be larger than the mesh size.

### TYPE 1

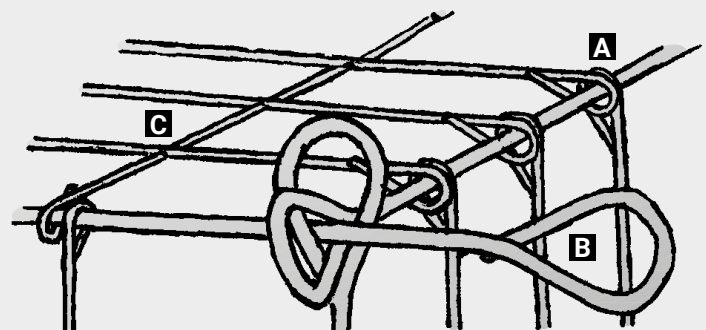
## Plug fastener-eyelet connection

- Simple and safe plug fastener-eyelet connection
- Particularly stable mat edges due to eyelet being welded all around
- Quick and easy construction
- Material saving and high stability through monolithic building methods (connection of the baskets, no double walls or floors)
- Very stable against compressive forces (e.g. from a slope)
- Wire thickness 4.5 mm
- Wire tensile strength  $\geq 450 \text{ N/mm}^2$
- Mesh size optionally 5 x 10 or 10 x 10 cm

**A** Welded eyelet

**B** Push fastener

**C** Mesh mat





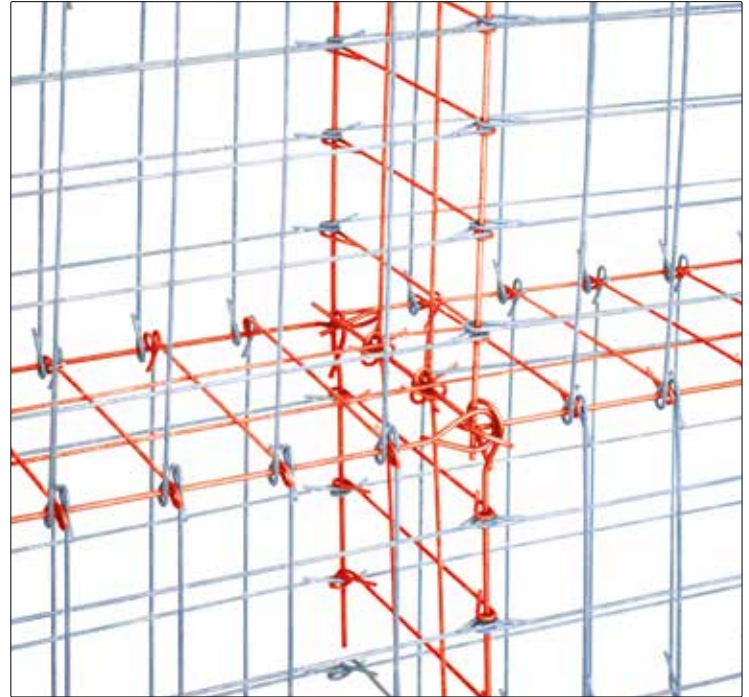
## The monolithic (continuous) construction

The gabion wall must be constructed monolithically (continuously). The adjacent baskets are connected with each other. The result is a more attractive joint pattern and higher stability. You also save quite a bit of material:

- No double walls or floors
- Floors, covers and intermediate walls possible in mesh size 10 x 10 cm
- For retaining walls, back wall possible in mesh size 10 x 10 cm
- Only one plug fastener or one spiral wire per corner joint

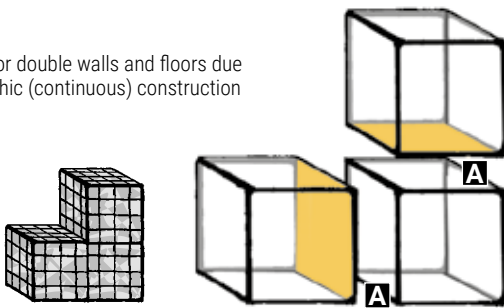
Cost savings of roughly 10 - 20%. If you place an order, we can calculate the exact material requirements for your project (gabion mats, plug fasteners, spacers and fill material) if you wish.

- High level of stability
- No joints
- Cost savings



Only one partition wall or partition floor!

**A** No need for double walls and floors due to monolithic (continuous) construction



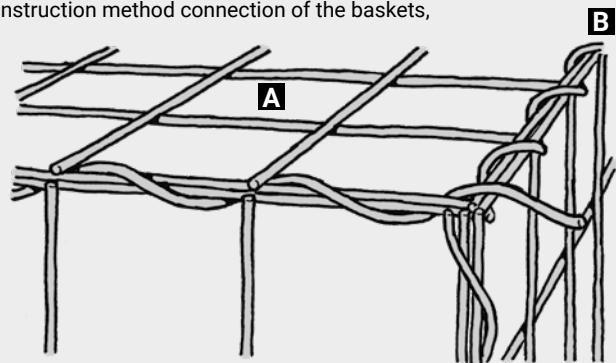
### TYPE 2

## Spiral wire connection

- Exact fit of spiral wire for an inconspicuous connection of the mesh mats
- Exact edge formation
- Adaptation of the length into 5 cm cuts possible
- Simple realisation of corner solutions
- Simple and quick construction
- Material saving and high stability due to monolithic construction method connection of the baskets, no double walls or floors)
- Very stable against compressive forces (e.g. from a slope)
- Wire thickness 4.5 mm
- Wire tensile strength  $\geq 450 \text{ N/mm}^2$
- Mesh size optionally 5 x 10 or 10 x 10 cm
- No wire edges hanging over

**A** Mesh mat

**B** Spiral wire





# DIY GABION WITH EYELET

TYPE 1

Complete baskets supplied in individual parts

## Mesh size 5 x 10 cm

Packaging: Pallet  
Characteristics: Steel wire, 4.5 mm, zinc-aluminium alloy

Size	Unit	EAN code	D 30
L 30 x D 30 x H 30 cm	1 pc. (3,4 kg)	90 04179 56050 2	
L 50 x D 30 x H 30 cm	1 pc. (4,6 kg)	90 04179 56051 9	
L 100 x D 30 x H 30 cm	1 pc. (7,5 kg)	90 04179 56052 6	
L 150 x D 30 x H 30 cm	1 pc. (10,5 kg)	90 04179 56053 3	
L 200 x D 30 x H 30 cm	1 pc. (13,4 kg)	90 04179 56054 0	
L 50 x D 30 x H 50 cm	1 pc. (6,4 kg)	90 04179 56100 4	
L 100 x D 30 x H 50 cm	1 pc. (11,6 kg)	90 04179 56101 1	
L 150 x D 30 x H 50 cm	1 pc. (14,2 kg)	90 04179 56102 8	
L 200 x D 30 x H 50 cm	1 pc. (20,9 kg)	90 04179 56103 5	
L 100 x D 30 x H 100 cm	1 pc. (16,1 kg)	90 04179 56107 3	
L 150 x D 30 x H 100 cm	1 pc. (21,9 kg)	90 04179 56108 0	
L 200 x D 30 x H 100 cm	1 pc. (27,5 kg)	90 04179 56109 7	

## Mesh size 10 x 10 cm

Packaging: Pallet  
Characteristics: Steel wire, 4.5 mm, zinc-aluminium alloy

Size	Unit	EAN code	D 30
L 30 x D 30 x H 30 cm	1 pc. (2,6 kg)	90 04179 56071 7	
L 50 x D 30 x H 30 cm	1 pc. (3,4 kg)	90 04179 56072 4	
L 100 x D 30 x H 30 cm	1 pc. (5,3 kg)	90 04179 56073 1	
L 150 x D 30 x H 30 cm	1 pc. (7,3 kg)	90 04179 56074 8	
L 200 x D 30 x H 30 cm	1 pc. (9,3 kg)	90 04179 56075 5	
L 50 x D 30 x H 50 cm	1 pc. (4,5 kg)	90 04179 56136 3	
L 100 x D 30 x H 50 cm	1 pc. (7,9 kg)	90 04179 56137 0	
L 150 x D 30 x H 50 cm	1 pc. (9,6 kg)	90 04179 56138 7	
L 200 x D 30 x H 50 cm	1 pc. (14,0 kg)	90 04179 56139 4	
L 100 x D 30 x H 100 cm	1 pc. (11,1 kg)	90 04179 56143 1	
L 150 x D 30 x H 100 cm	1 pc. (14,9 kg)	90 04179 56144 8	
L 200 x D 30 x H 100 cm	1 pc. (20,8 kg)	90 04179 56145 5	

Size	Unit	EAN code	D 50
L 50 x D 50 x H 30 cm	1 pc. (6,1 kg)	90 04179 56058 8	
L 100 x D 50 x H 30 cm	1 pc. (9,9 kg)	90 04179 56059 5	
L 150 x D 50 x H 30 cm	1 pc. (13,6 kg)	90 04179 56060 1	
L 200 x D 50 x H 30 cm	1 pc. (17,4 kg)	90 04179 56061 8	
L 50 x D 50 x H 50 cm	1 pc. (8,9 kg)	90 04179 56112 7	
L 100 x D 50 x H 50 cm	1 pc. (13,6 kg)	90 04179 56113 4	
L 150 x D 50 x H 50 cm	1 pc. (17,7 kg)	90 04179 56114 1	
L 200 x D 50 x H 50 cm	1 pc. (22,9 kg)	90 04179 56115 8	
L 100 x D 50 x H 100 cm	1 pc. (20,3 kg)	90 04179 56119 6	
L 150 x D 50 x H 100 cm	1 pc. (26,5 kg)	90 04179 56120 2	
L 200 x D 50 x H 100 cm	1 pc. (33,6 kg)	90 04179 56121 9	

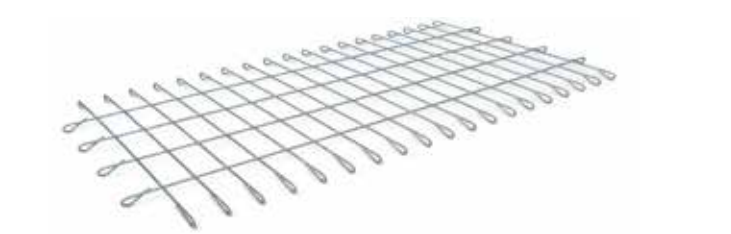
Size	Unit	EAN code	D 50
L 50 x D 50 x H 30 cm	1 pc. (4,4 kg)	90 04179 56079 3	
L 100 x D 50 x H 30 cm	1 pc. (6,9 kg)	90 04179 56080 9	
L 150 x D 50 x H 30 cm	1 pc. (9,4 kg)	90 04179 56081 6	
L 200 x D 50 x H 30 cm	1 pc. (11,9 kg)	90 04179 56082 3	
L 50 x D 50 x H 50 cm	1 pc. (6,0 kg)	90 04179 56148 6	
L 100 x D 50 x H 50 cm	1 pc. (9,1 kg)	90 04179 56149 3	
L 150 x D 50 x H 50 cm	1 pc. (12,2 kg)	90 04179 56150 9	
L 200 x D 50 x H 50 cm	1 pc. (15,4 kg)	90 04179 56151 6	
L 100 x D 50 x H 100 cm	1 pc. (13,8 kg)	90 04179 56155 4	
L 150 x D 50 x H 100 cm	1 pc. (18,3 kg)	90 04179 56156 1	
L 200 x D 50 x H 100 cm	1 pc. (22,8 kg)	90 04179 56157 8	

Size	Unit	EAN code	D 100
L 100 x D 100 x H 30 cm	1 pc. (15,3 kg)	90 04179 56066 3	
L 150 x D 100 x H 30 cm	1 pc. (21,0 kg)	90 04179 56067 0	
L 200 x D 100 x H 30 cm	1 pc. (26,6 kg)	90 04179 56068 7	
L 100 x D 100 x H 50 cm	1 pc. (19,9 kg)	90 04179 56125 7	
L 150 x D 100 x H 50 cm	1 pc. (26,0 kg)	90 04179 56126 4	
L 200 x D 100 x H 50 cm	1 pc. (33,3 kg)	90 04179 56127 1	
L 100 x D 100 x H 100 cm	1 pc. (28,5 kg)	90 04179 56131 8	
L 150 x D 100 x H 100 cm	1 pc. (36,6 kg)	90 04179 56132 5	
L 200 x D 100 x H 100 cm	1 pc. (45,9 kg)	90 04179 56133 2	

Size	Unit	EAN code	D 100
L 100 x D 100 x H 30 cm	1 pc. (10,6 kg)	90 04179 56087 8	
L 150 x D 100 x H 30 cm	1 pc. (14,4 kg)	90 04179 56088 5	
L 200 x D 100 x H 30 cm	1 pc. (18,1 kg)	90 04179 56089 2	
L 100 x D 100 x H 50 cm	1 pc. (13,4 kg)	90 04179 56161 5	
L 150 x D 100 x H 50 cm	1 pc. (17,9 kg)	90 04179 56162 2	
L 200 x D 100 x H 50 cm	1 pc. (22,5 kg)	90 04179 56163 9	
L 100 x D 100 x H 100 cm	1 pc. (19,5 kg)	90 04179 56167 7	
L 150 x D 100 x H 100 cm	1 pc. (25,4 kg)	90 04179 56168 4	
L 200 x D 100 x H 100 cm	1 pc. (30,4 kg)	90 04179 56169 1	



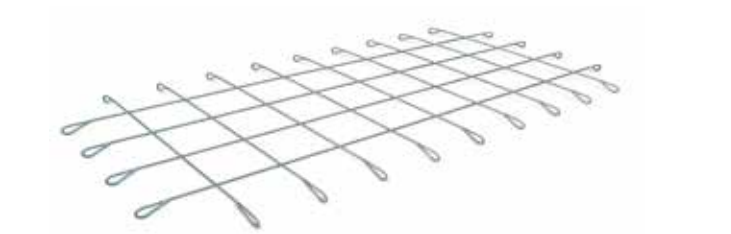
Individual parts for determination of material needs in monolithic construction



Mats, mesh size 5 x 10 cm

Packaging: Pallet  
Characteristics: Steel wire, 4.5 mm, zinc-aluminium alloy

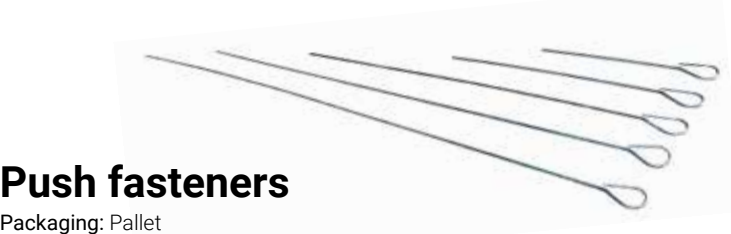
Size	Unit	EAN code
L 30 x H 30 cm	1 pc. (0,4 kg)	90 04179 56510 1
L 50 x H 30 cm	1 pc. (0,7 kg)	90 04179 56200 1
L 100 x H 30 cm	1 pc. (1,3 kg)	90 04179 56210 0
L 150 x H 30 cm	1 pc. (2,0 kg)	90 04179 56220 9
L 200 x H 30 cm	1 pc. (2,5 kg)	90 04179 56230 8
L 30 x H 50 cm	1 pc. (0,6 kg)	90 04179 56530 9
L 50 x H 50 cm	1 pc. (1,0 kg)	90 04179 56300 8
L 100 x H 50 cm	1 pc. (2,1 kg)	90 04179 56310 7
L 150 x H 50 cm	1 pc. (3,1 kg)	90 04179 56320 6
L 200 x H 50 cm	1 pc. (4,1 kg)	90 04179 56330 5
L 30 x H 100 cm	1 pc. (1,2 kg)	90 04179 56540 8
L 50 x H 100 cm	1 pc. (2,0 kg)	90 04179 56350 3
L 100 x H 100 cm	1 pc. (4,0 kg)	90 04179 56360 2
L 150 x H 100 cm	1 pc. (5,9 kg)	90 04179 56370 1
L 200 x H 100 cm	1 pc. (7,9 kg)	90 04179 56380 0



Mats, mesh size 10 x 10 cm

Packaging: Pallet  
Characteristics: Steel wire, 4.5 mm, zinc-aluminium alloy

Size	Unit	EAN code
L 30 x H 30 cm	1 pc. (0,2 kg)	90 04179 56520 0
L 50 x H 30 cm	1 pc. (0,4 kg)	90 04179 56250 6
L 100 x H 30 cm	1 pc. (0,8 kg)	90 04179 56260 5
L 150 x H 30 cm	1 pc. (1,2 kg)	90 04179 56270 4
L 200 x H 30 cm	1 pc. (1,5 kg)	90 04179 56280 3
L 50 x H 50 cm	1 pc. (0,6 kg)	90 04179 56410 4
L 100 x H 50 cm	1 pc. (1,3 kg)	90 04179 56420 3
L 150 x H 50 cm	1 pc. (1,9 kg)	90 04179 56430 2
L 200 x H 50 cm	1 pc. (2,6 kg)	90 04179 56440 1
L 100 x H 100 cm	1 pc. (2,5 kg)	90 04179 56470 8
L 150 x H 100 cm	1 pc. (3,8 kg)	90 04179 56480 7
L 200 x H 100 cm	1 pc. (5,1 kg)	90 04179 56490 6



Push fasteners

Packaging: Pallet  
Characteristics: Steel wire, 6 mm, zinc-aluminium alloy

Length	Packaging	Unit	EAN code
30 cm	Pallet	1 pc. (0,1 kg)	90 04179 56590 3
50 cm	Pallet	1 pc. (0,2 kg)	90 04179 56600 9
100 cm	Pallet	1 pc. (0,3 kg)	90 04179 56610 8
150 cm	Pallet	1 pc. (0,4 kg)	90 04179 56620 7
200 cm	Pallet	1 pc. (0,5 kg)	90 04179 56630 6



Spacers

Packaging: Pallet  
Characteristics: Steel wire, 5 mm, zinc-aluminium alloy

Length	Packaging	Unit	EAN code
30 cm	Pallet	1 pc. (0,1 kg)	90 04179 56650 4
50 cm	Pallet	1 pc. (0,1 kg)	90 04179 56660 3
100 cm	Pallet	1 pc. (0,2 kg)	90 04179 56670 2



# DIY GABION WITH SPIRALLY-WELDED PIPE

TYPE 2

## Mesh size 5 x 10 cm

Packaging: Pallet  
Characteristics: Steel wire, 4.5 mm, zinc-aluminium alloy

Size	Unit	EAN code	D 30
L 30 x D 30 x H 30 cm	1 pc. (2,8 kg)	90 04179 57050 1	
L 50 x D 30 x H 30 cm	1 pc. (4,1 kg)	90 04179 57051 8	
L 100 x D 30 x H 30 cm	1 pc. (6,7 kg)	90 04179 57052 5	
L 150 x D 30 x H 30 cm	1 pc. (9,3 kg)	90 04179 57053 2	
L 200 x D 30 x H 30 cm	1 pc. (12,3 kg)	90 04179 57054 9	
L 50 x D 30 x H 50 cm	1 pc. (6,0 kg)	90 04179 57100 3	
L 100 x D 30 x H 50 cm	1 pc. (9,5 kg)	90 04179 57101 0	
L 150 x D 30 x H 50 cm	1 pc. (13,0 kg)	90 04179 57102 7	
L 200 x D 30 x H 50 cm	1 pc. (16,7 kg)	90 04179 57103 4	
L 100 x D 30 x H 100 cm	1 pc. (15,2 kg)	90 04179 57107 2	
L 150 x D 30 x H 100 cm	1 pc. (20,8 kg)	90 04179 57108 9	
L 200 x D 30 x H 100 cm	1 pc. (26,4 kg)	90 04179 57109 6	

## Mesh size 10 x 10 cm

Packaging: Pallet  
Characteristics: Steel wire, 4.5 mm, zinc-aluminium alloy

Size	Unit	EAN code	D 30
L 30 x D 30 x H 30 cm	1 pc. (2,2 kg)	90 04179 57071 6	
L 50 x D 30 x H 30 cm	1 pc. (3,1 kg)	90 04179 57072 3	
L 100 x D 30 x H 30 cm	1 pc. (4,9 kg)	90 04179 57073 0	
L 150 x D 30 x H 30 cm	1 pc. (7,1 kg)	90 04179 57074 7	
L 200 x D 30 x H 30 cm	1 pc. (8,9 kg)	90 04179 57075 4	
L 50 x D 30 x H 50 cm	1 pc. (4,6 kg)	90 04179 57136 2	
L 100 x D 30 x H 50 cm	1 pc. (6,9 kg)	90 04179 57137 9	
L 150 x D 30 x H 50 cm	1 pc. (9,6 kg)	90 04179 57138 6	
L 200 x D 30 x H 50 cm	1 pc. (12,1 kg)	90 04179 57139 3	
L 100 x D 30 x H 100 cm	1 pc. (11,2 kg)	90 04179 57143 0	
L 150 x D 30 x H 100 cm	1 pc. (15,2 kg)	90 04179 57144 7	
L 200 x D 30 x H 100 cm	1 pc. (19,0 kg)	90 04179 57145 4	

Size	Unit	EAN code	D 50
L 50 x D 50 x H 30 cm	1 pc. (5,6 kg)	90 04179 57058 7	
L 100 x D 50 x H 30 cm	1 pc. (9,0 kg)	90 04179 57059 4	
L 150 x D 50 x H 30 cm	1 pc. (12,4 kg)	90 04179 57060 0	
L 200 x D 50 x H 30 cm	1 pc. (16,0 kg)	90 04179 57061 7	
L 50 x D 50 x H 50 cm	1 pc. (7,6 kg)	90 04179 57112 6	
L 100 x D 50 x H 50 cm	1 pc. (11,9 kg)	90 04179 57113 3	
L 150 x D 50 x H 50 cm	1 pc. (16,2 kg)	90 04179 57114 0	
L 200 x D 50 x H 50 cm	1 pc. (20,5 kg)	90 04179 57115 7	
L 100 x D 50 x H 100 cm	1 pc. (18,4 kg)	90 04179 57119 5	
L 150 x D 50 x H 100 cm	1 pc. (24,8 kg)	90 04179 57120 1	
L 200 x D 50 x H 100 cm	1 pc. (31,0 kg)	90 04179 57121 8	

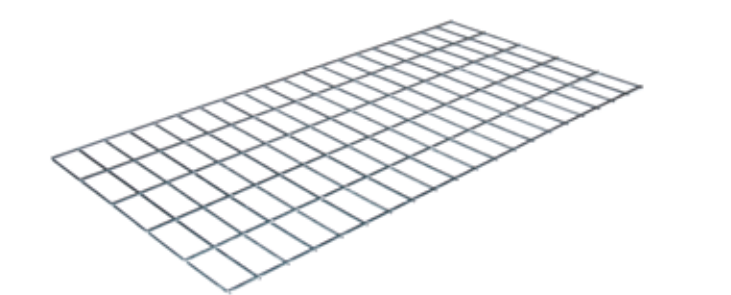
Size	Unit	EAN code	D 50
L 50 x D 50 x H 30 cm	1 pc. (4,2 kg)	90 04179 57079 2	
L 100 x D 50 x H 30 cm	1 pc. (6,4 kg)	90 04179 57080 8	
L 150 x D 50 x H 30 cm	1 pc. (9,0 kg)	90 04179 57081 5	
L 200 x D 50 x H 30 cm	1 pc. (11,4 kg)	90 04179 57082 2	
L 50 x D 50 x H 50 cm	1 pc. (5,8 kg)	90 04179 57148 5	
L 100 x D 50 x H 50 cm	1 pc. (8,5 kg)	90 04179 57149 2	
L 150 x D 50 x H 50 cm	1 pc. (11,6 kg)	90 04179 57150 8	
L 200 x D 50 x H 50 cm	1 pc. (14,7 kg)	90 04179 57151 5	
L 100 x D 50 x H 100 cm	1 pc. (13,2 kg)	90 04179 57155 3	
L 150 x D 50 x H 100 cm	1 pc. (17,6 kg)	90 04179 57156 0	
L 200 x D 50 x H 100 cm	1 pc. (22,0 kg)	90 04179 57157 7	

Size	Unit	EAN code	D 100
L 100 x D 100 x H 30 cm	1 pc. (14,2 kg)	90 04179 57066 2	
L 150 x D 100 x H 30 cm	1 pc. (19,6 kg)	90 04179 57067 9	
L 200 x D 100 x H 30 cm	1 pc. (25,0 kg)	90 04179 57068 6	
L 100 x D 100 x H 50 cm	1 pc. (18,0 kg)	90 04179 57125 6	
L 150 x D 100 x H 50 cm	1 pc. (24,4 kg)	90 04179 57126 3	
L 200 x D 100 x H 50 cm	1 pc. (30,6 kg)	90 04179 57127 0	
L 100 x D 100 x H 100 cm	1 pc. (26,4 kg)	90 04179 57131 7	
L 150 x D 100 x H 100 cm	1 pc. (35,0 kg)	90 04179 57132 4	
L 200 x D 100 x H 100 cm	1 pc. (43,2 kg)	90 04179 57133 1	

Size	Unit	EAN code	D 100
L 100 x D 100 x H 30 cm	1 pc. (10,2 kg)	90 04179 57087 7	
L 150 x D 100 x H 30 cm	1 pc. (14,0 kg)	90 04179 57088 4	
L 200 x D 100 x H 30 cm	1 pc. (17,6 kg)	90 04179 57089 1	
L 100 x D 100 x H 50 cm	1 pc. (12,8 kg)	90 04179 57161 4	
L 150 x D 100 x H 50 cm	1 pc. (17,2 kg)	90 04179 57162 1	
L 200 x D 100 x H 50 cm	1 pc. (21,6 kg)	90 04179 57163 8	
L 100 x D 100 x H 100 cm	1 pc. (19,2 kg)	90 04179 57167 6	
L 150 x D 100 x H 100 cm	1 pc. (25,0 kg)	90 04179 57168 3	
L 200 x D 100 x H 100 cm	1 pc. (30,8 kg)	90 04179 57169 0	



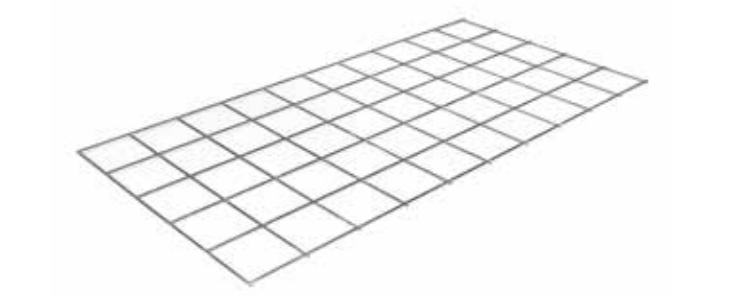
Individual parts for determination of material needs in monolithic construction



Mats, mesh size 5 x 10 cm

Packaging: Pallet  
Characteristics: Steel wire, 4.5 mm, zinc-aluminium alloy

Size	Unit	EAN code
L 30 x H 30 cm	1 pc. (0,4 kg)	90 04179 56513 2
L 50 x H 30 cm	1 pc. (0,7 kg)	90 04179 56203 2
L 100 x H 30 cm	1 pc. (1,3 kg)	90 04179 56213 1
L 150 x H 30 cm	1 pc. (1,9 kg)	90 04179 56223 0
L 200 x H 30 cm	1 pc. (2,6 kg)	90 04179 56233 9
L 30 x H 50 cm	1 pc. (0,7 kg)	90 04179 56573 6
L 50 x H 50 cm	1 pc. (1,1 kg)	90 04179 56303 9
L 100 x H 50 cm	1 pc. (2,1 kg)	90 04179 56313 8
L 150 x H 50 cm	1 pc. (3,1 kg)	90 04179 56323 7
L 200 x H 50 cm	1 pc. (4,1 kg)	90 04179 56333 6
L 30 x H 100 cm	1 pc. (1,3 kg)	90 04179 56583 5
L 50 x H 100 cm	1 pc. (2,1 kg)	90 04179 56353 4
L 100 x H 100 cm	1 pc. (4,0 kg)	90 04179 56363 3
L 150 x H 100 cm	1 pc. (6,0 kg)	90 04179 56373 2
L 200 x H 100 cm	1 pc. (7,9 kg)	90 04179 56383 1



Mats, mesh size 10 x 10 cm

Packaging: Pallet  
Characteristics: Steel wire, 4.5 mm, zinc-aluminium alloy

Size	Unit	EAN code
L 30 x H 30 cm	1 pc. (0,3 kg)	90 04179 56523 1
L 50 x H 30 cm	1 pc. (0,5 kg)	90 04179 56253 7
L 100 x H 30 cm	1 pc. (0,9 kg)	90 04179 56263 6
L 150 x H 30 cm	1 pc. (1,4 kg)	90 04179 56273 5
L 200 x H 30 cm	1 pc. (1,8 kg)	90 04179 56283 4
L 50 x H 50 cm	1 pc. (0,8 kg)	90 04179 56413 5
L 100 x H 50 cm	1 pc. (1,4 kg)	90 04179 56423 4
L 150 x H 50 cm	1 pc. (2,1 kg)	90 04179 56433 3
L 200 x H 50 cm	1 pc. (2,8 kg)	90 04179 56443 2
L 100 x H 100 cm	1 pc. (2,8 kg)	90 04179 56473 9
L 150 x H 100 cm	1 pc. (4,1 kg)	90 04179 56483 8
L 200 x H 100 cm	1 pc. (5,4 kg)	90 04179 56493 7



Spiral wire for DIY gabion

The spiral wire is cut to the correct length on-site.  
When calculating the material needs, a safety factor needs to be used.  
Packaging: Pallet  
Characteristics: Steel wire, 3 mm, zinc-aluminium alloy

Length	Packaging	Unit	EAN code
100 cm	Pallet	1 pc. (0,1 kg)	90 04179 56614 6



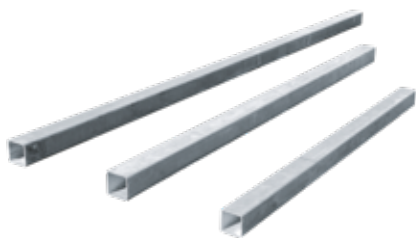
Spacers

Packaging: Pallet  
Characteristics: Steel wire, 5 mm, zinc-aluminium alloy

Length	Packaging	Unit	EAN code
30 cm	Pallet	1 pc. (0,1 kg)	90 04179 56650 4
50 cm	Pallet	1 pc. (0,1 kg)	90 04179 56660 3
100 cm	Pallet	1 pc. (0,2 kg)	90 04179 56670 2



# ACCESSORIES FOR DIY GABIONS



## Upright for 30 cm deep walls

The uprights are cemented in point foundations at 2 m intervals. Statically required for free-standing walls with a height of 1.5 m and higher. Also suitable for terracing (elevated sections) up to a height of 1 m.

**Packaging:** Pallet

**Characteristics:** Steel, thick galvanisation, with plastic cap

Size	Wall height	Unit	EAN code
*L 120 cm	H 100 cm	1 pc. (6,2 kg)	90 04179 56676 4
L 170 cm	H 150 cm	1 pc. (11,0 kg)	90 04179 56677 1
L 240 cm	H 200 cm	1 pc. (20,0 kg)	90 04179 56678 8

\* Only necessary for terracing (elevated sections).

## Reinforcement cage for uprights

Statically required for 1.5 m fence height and above.

**Packaging:** Pallet

**Characteristics:** Ribbed rebar, 8 mm and 12 mm



Size	Unit	EAN code
L 25 x W 25 x H 75 cm	1 pc. (6,9 kg)	90 04179 56699 3



## Noise-insulation kit

Noise insulation plate for simple integration into DIY gabions. Suitable for walls that are 30 cm and 50 cm deep.

- Airborne sound insulation classified in line with EN 1793-2: Group B3, DLα [dB] > 24
- No deep foundation necessary
- Construction and filling takes place on the building site

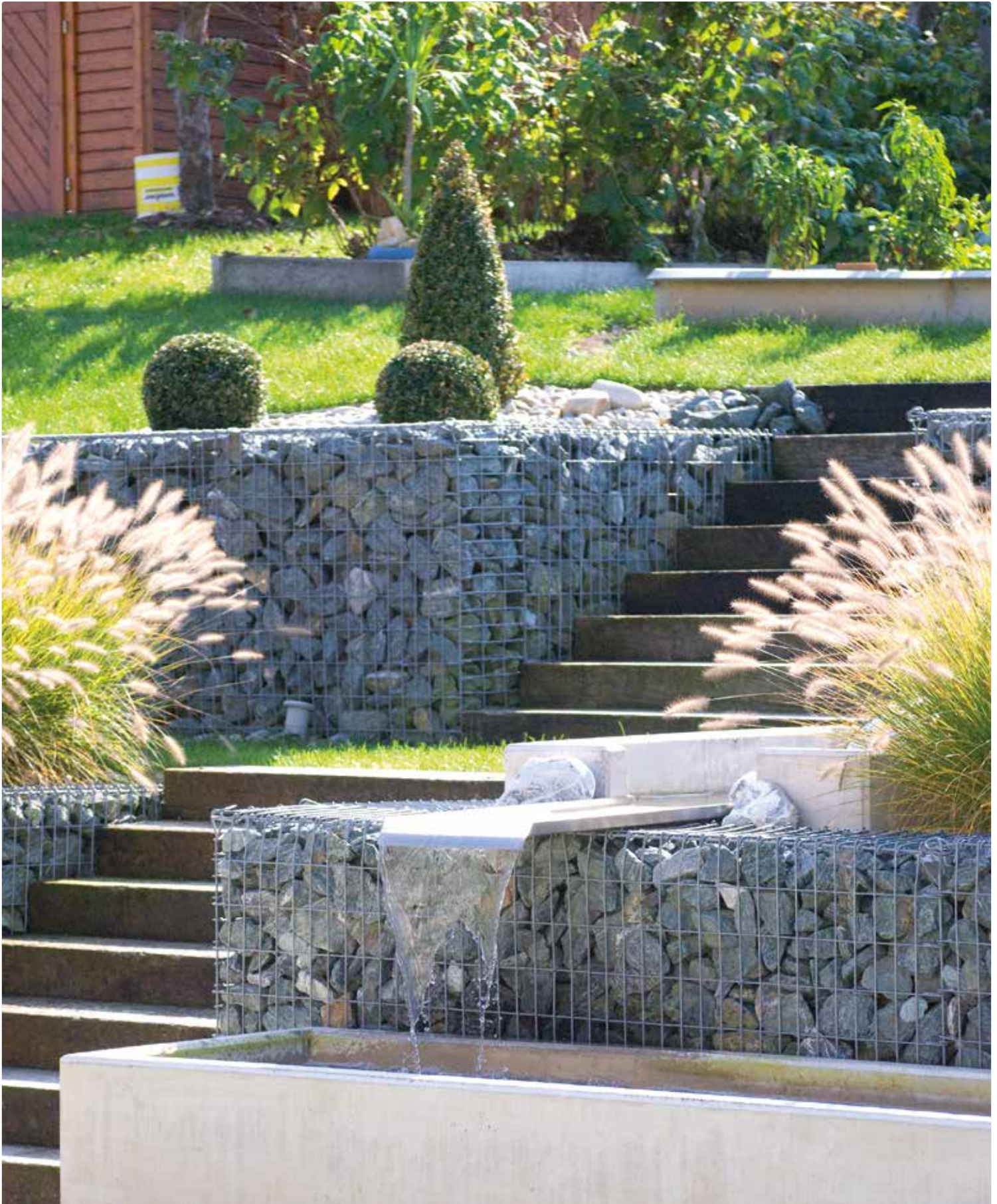
**Packaging:** Pallet

**Characteristics:** Noise insulation kit with assembly and sealing material

Size	Unit	EAN code
L 200 x H 50 cm	1 pc. (15,0 kg)	90 04179 56671 9



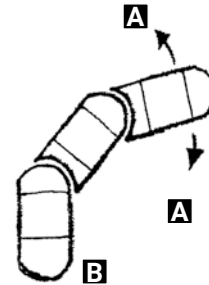






# CURVE GABIONS

Construction and filling on-site



**A** The new joint system is ideal for forming curves

**B** For a harmonious closure, the round mesh element is simply turned around

The new joint system (arc and hollow) is ideally suited for the construction of small retaining walls in house gardens. In smaller areas, the ability to use curves to adapt to the slope of the embankment is a great advantage. The gabion wall fits harmoniously into the garden ambience.

- Continuously adjustable joint system
- Ideal for forming curves and radii
- Quick and easy to build
- Simple hook connections
- Wire thickness 4 mm (D 31 cm) and 4.5 or 5.8 mm (D 50 cm)
- High level of stability and free from deformation due to strong wires
- Mesh size 5 x 5 cm (D 31 cm) and 5 x 10 cm (D 50 cm)
- No bottom or cover needed
- Also suitable for free-standing walls

## Wall construction

With the simple hook system, construction is quick and can be performed without any additional corner joints. Construction instructions are included (also available at [www.scherf.at](http://www.scherf.at) under „Downloads“). The last basket at the end of the wall can be constructed with the rounding on both sides. This allows you to create the same appearance as at the start of the wall.

The curve gabions are to be filled with a stone material that is resistant to frost and pressure. The grain size of the fill material must be larger than the mesh size. Ideally, use SCHERF filling material with a grain size of 50-100 mm. The wall is very attractive if you tightly layer the stones with the flat side on the mesh by hand (manually arranged viewing area). It is recommended to graduate the sharp angles at the rounding with flat stones.

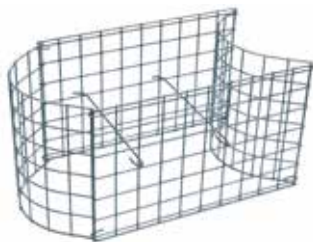
The upper end of the gabions can also be filled with humus and planted. A mat is to be placed between the stones and the humus.

Short baskets are ideally suited for small radii; long baskets for straight lines and mild curves. More information on the selection of the basket sizes and on wall dimensioning can be found on page 64.



# Complete baskets

## Supplied in individual parts



### Depth 30 cm

**Packaging:** Pallet  
**Characteristics:** Steel wire, 4 mm, zinc-aluminium alloy baskets without bottom or cover!

Size	Unit	EAN code
L 25 x D 31 x H 31 cm	1 pc. (2,0 kg)	90 04179 56000 7
L 51 x D 31 x H 31 cm	1 pc. (2,8 kg)	90 04179 56001 4



### Depth 50 cm

**Packaging:** Pallet  
**Characteristics:** Steel wire, 4.5 and 5.8 mm, zinc-aluminium alloy baskets without bottom or cover!

Size	Unit	EAN code
L 50 x D 50 x H 50 cm	1 pc. (5,7 kg)	90 04179 56010 6
L 100 x D 50 x H 50 cm	1 pc. (8,8 kg)	90 04179 56011 3





# FENCE GABIONS

Construction and filling on-site

## Visually elegant – lots of stone, little wire

Modern spatial design requires gabions in the form of narrow fence solutions. In contrast to the broader „classic gabions“ that work statically by having a large weight, the space-saving fence gabion requires an internal support structure.

In the system developed by SCHERF the support structure is not visible. In addition, it offers great flexibility and variety.

- Only 20 cm wall depth
- Internal upright with welded spacers – not visible from the outside
- Horizontal reinforcement against bending
- Mesh size 5x10 cm
- Wire is only 4.5 mm thick - decent and elegant - lots of stone, little wire
- Use of 50-100 mm filling material blocks view completely



**ONLY 20 CM WALL DEPTH!**

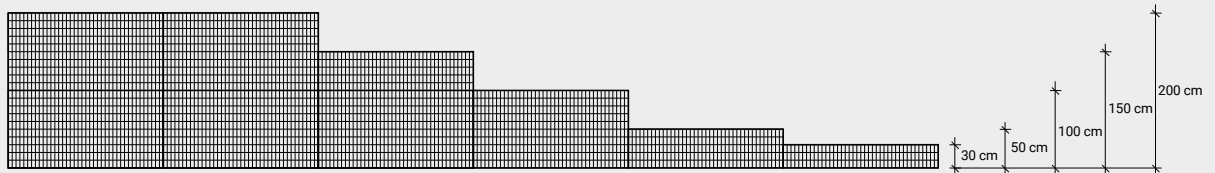
- Two zinc-plated upright models (for concrete installation in isolated footing; for screwing into strip footing)
- Underlying foundation not visible from outside
- Adjustment of the fence length possible in 5 cm increments
- Uncomplicated implementation of corners
- Exact-fitting spiral wire ensures precise

corner joints

- Large variety of straps with pilot hole for securing fence elements made of wood, aluminium, trellis, etc.
- No floor, no intermediate walls; cover optional
- Statically tested (max. wind speed 135 km/h, ram pressure 0.8 kN/m<sup>2</sup>)
- Patented system

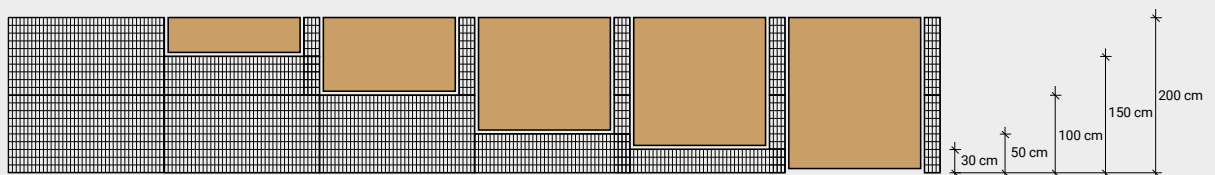
### TYPE 1

## Continuous gabion fence



### TYPE 2

## Gabion fence, can be combined with elements made of other materials



The brown fields symbolise elements made from wood, aluminium, etc. The elements are simply screwed onto the protruding tabs. You can build, for example, a classic garden fence with base and pillars. The two types can be combined with one another.





Two zinc-plated upright models ensure, for heights above 50 cm, the stability of the fence gabion.



The straps with cross-beams are „invisible“ inside the filling material and ensure a high level of stability.



The fence length can be easily modified by nipping of the mats 5 cm increments. Standard lengths: 30/50/100/150/200 cm



The mats are hung into the spacers of the „invisible“ uprights.

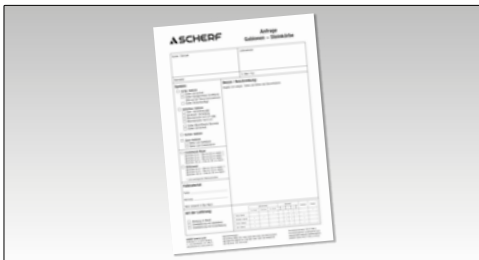


An exact-fitting spiral wire ensures precise corner joints.



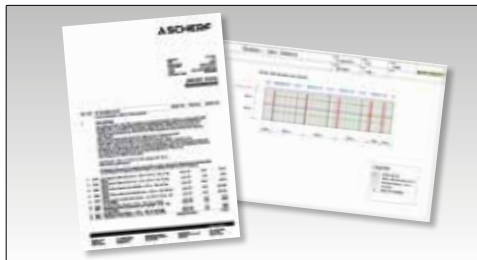
After construction, the fence gabion is filled from above.

## 4 easy steps to your individual gabion fence



### Step 1 – Drawing

Prepare a drawing with exact dimensions. Your drawing must specify the exact heights, lengths and positions of the fence elements for assembly.



### Step 2 – SCHERF determination of requirements

SCHERF determines the requirements for your project. You receive an offer with the required components. SCHERF creates a construction plan if the order is placed.



### Step 3 – Construction

Simple construction using instructions! Precise instructions are included (also available at [www.scherf.at](http://www.scherf.at) under "Downloads"). You can also find the exact design of the foundations there.



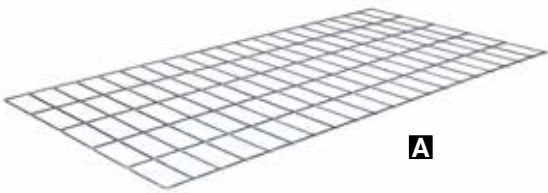
### Step 4 – Filling

The fence gabion is to be filled with a stone material that is resistant to frost and pressure. The grain size of the fill material must be larger than the mesh size. Uprights and cross-bars are covered up by manually layering the stones. The stones must be aligned with little empty space so that they do not protrude and the wall completely obscures the view. Ideally, use SCHERF filling material with a grain size of 50-100 mm – see page 60. These materials are ideally suited for the mesh size and wall depth.



# COMPONENTS OF THE FENCE GABION

SCHERF will determine the needed materials for the project



## Mats, mesh size 5 x 10 cm

Packaging: Pallet  
Characteristics: Steel wire, 4.5 mm, zinc-aluminium alloy

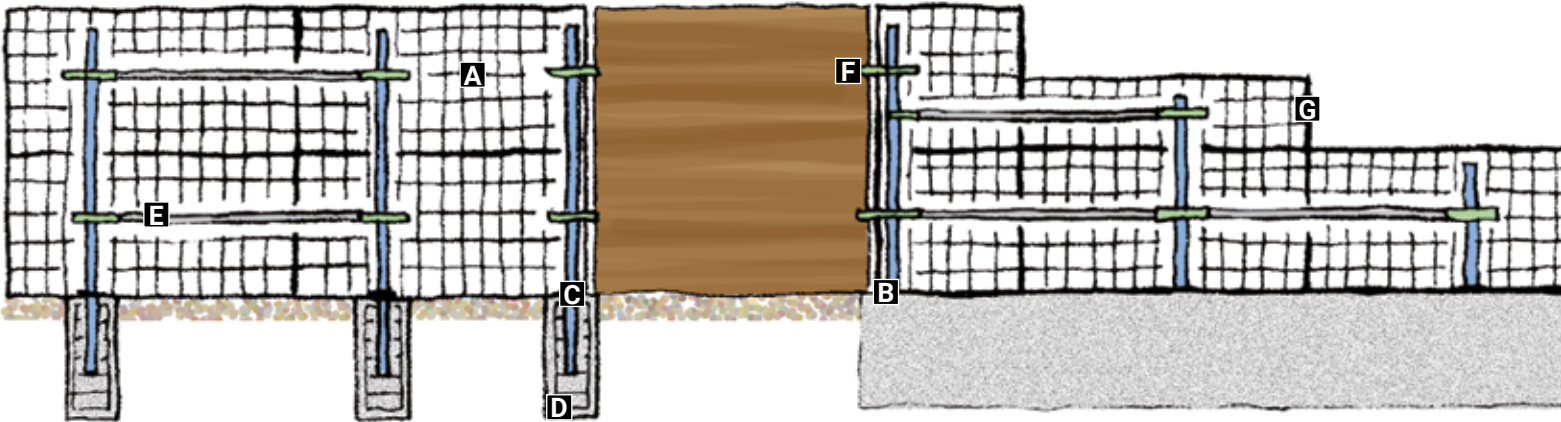
### Front and back sides

Size	Unit	EAN code
L 30 x H 30 cm	1 pc. (0,4 kg)	90 04179 56516 3
L 50 x H 30 cm	1 pc. (0,7 kg)	90 04179 56206 3
L 100 x H 30 cm	1 pc. (1,3 kg)	90 04179 56216 2
L 150 x H 30 cm	1 pc. (1,9 kg)	90 04179 56226 1
L 200 x H 30 cm	1 pc. (2,6 kg)	90 04179 56236 0
L 50 x H 50 cm	1 pc. (1,1 kg)	90 04179 56306 0
L 100 x H 50 cm	1 pc. (2,1 kg)	90 04179 56316 9
L 150 x H 50 cm	1 pc. (3,1 kg)	90 04179 56326 8
L 200 x H 50 cm	1 pc. (4,1 kg)	90 04179 56336 7
L 50 x H 100 cm	1 pc. (2,1 kg)	90 04179 56356 5
L 100 x H 100 cm	1 pc. (4,0 kg)	90 04179 56366 4
L 150 x H 100 cm	1 pc. (6,0 kg)	90 04179 56376 3
L 200 x H 100 cm	1 pc. (7,9 kg)	90 04179 56386 2

### Sides and tops

Size	Unit	EAN code
L 20 x H 30 cm	1 pc. (0,3 kg)	90 04179 56536 1
L 20 x H 50 cm	1 pc. (0,5 kg)	90 04179 56546 0
L 20 x H 100 cm	1 pc. (0,9 kg)	90 04179 56556 9

To determine your material needs, we require a project layout with exact dimensions. Upon ordering, you will receive a detailed installation diagram from us.





# Upright to be screwed in

(Strip foundation)  
Incl. screws and anchors  
Packaging: Pallet  
Characteristics: Steel, thick galvanisation



Size	Zaunhöhe	Unit	EAN code
L 90 cm	H 100 cm	1 pc. (8,5 kg)	90 04179 56680 1
L 135 cm	H 150 cm	1 pc. (14,0 kg)	90 04179 56681 8
L 185 cm	H 200 cm	1 pc. (23,5 kg)	90 04179 56682 5

# Upright for cementing

(Pad foundation)  
Packaging: Pallet  
Characteristics: Steel, thick galvanisation



Size	Fence height	Unit	EAN code
L 120 cm	H 100 cm	1 pc. (10,0 kg)	90 04179 56690 0
L 170 cm	H 150 cm	1 pc. (16,0 kg)	90 04179 56691 7
L 240 cm	H 200 cm	1 pc. (26,0 kg)	90 04179 56692 4

# Reinforcement cage for uprights

(Pad foundation)  
Packaging: Pallet  
Characteristics: Ribbed rebar, 8 mm and 12 mm



Size	Unit	EAN code
L 25 x W 25 x H 75 cm	1 pc. (6,9 kg)	90 04179 56699 3

# Cross-bar

Incl. two screws  
Packaging: Pallet  
Characteristics: Steel, thick galvanisation



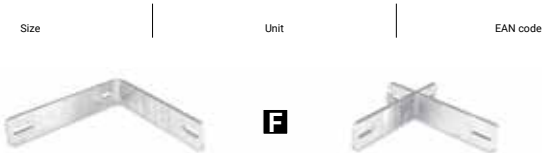
Size	Unit	EAN code
L 169 cm	1 pc. (6,0 kg)	90 04179 56698 6

# Securing strap for fence elements & cross-bar

Incl. a screw  
Packaging: Pallet  
Characteristics: Steel, thick galvanisation  
\*For 90° column-corner solutions (Two variations for interior and exterior assembly)



Size	Unit	EAN code
L 23 cm	1 pc. (0,9 kg)	90 04179 56696 2
L 40 cm	1 pc. (1,6 kg)	90 04179 56697 9



Size	Unit	EAN code
*L 24 x W 24 cm	1 pc. (1,8 kg)	90 04179 56694 8
*L 23 x W 23 cm	1 pc. (1,8 kg)	90 04179 56695 5



# Spiral wire

The spiral wire is cut to the correct length on-site.  
When calculating the material needs, a small safety factor needs to be used.  
Packaging: Pallet  
Characteristics: Steel wire, 3 mm, zinc-aluminium alloy

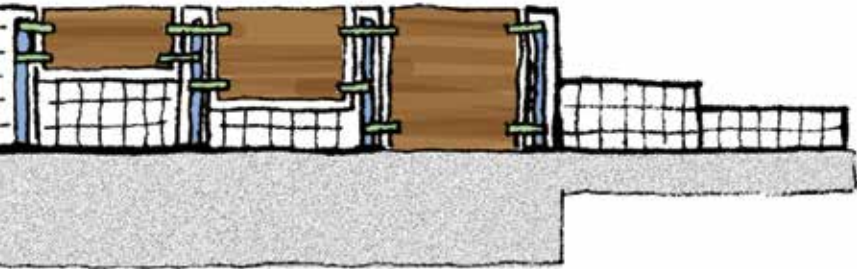
Size	Unit	EAN code
L 100 cm	1 pc. (0,1 kg)	90 04179 56613 9



# Spacer

The exact position for attaching the spacers can be found in the construction manual.  
Packaging: Pallet  
Characteristics: Steel wire, 5 mm, zinc-aluminium alloy

Size	Unit	EAN code
L 20 cm	1 pc. (0,1 kg)	90 04179 56649 8





# GABION RAISED FLOWER BED

## Construction kit

- Custom-made spiral wire for exact corner formation
- simple size adjustment is possible (5 cm increments in length and 10 cm in height)
- rapid assembly without the use of tools
- wire thickness 4.5 mm
- wire tensile strength  $\geq 450 \text{ N/mm}^2$
- mesh width 5 x 10 cm
- no overlapping wire ends
- wall thickness 15 cm,
- delivered as a construction kit (without nonwoven fabrics)

### Filling

The raised flower bed must be filled with a frost and pressure-resistant rock material. The grain size of the filling material has to be larger than the distance between the vertical wires. The stones have to be arranged by hand with the flat side on the mesh so that they don't protrude and the raised flower bed becomes opaque. An attractive look that is similar to Cyclopean masonry is achieved by close layering of the stones on the visible surface. Ideally you would use SCHERF filling materials of grain size 50-100 mm for this (see page 60). This grain size is perfectly matched to the mesh width and wall thickness. A precise instruction manual is also provided (also available at [www.scherf.at](http://www.scherf.at) under the menu item „Downloads“).



### Length 100 cm

Amount of stone filling material required: about 750 kg  
**Packaging:** Pallet  
**Characteristics:** Steel wire, 4,5 mm, zinc-aluminium alloy

Size	Unit	EAN code
L 100 x D 100 x H 80 cm	1 pc. (25,3 kg)	90 04179 56900 0

### Length 200 cm

Amount of stone filling material required: about 1200 kg  
**Packaging:** Pallet  
**Characteristics:** Steel wire, 4,5 mm, zinc-aluminium alloy

Size	Unit	EAN code
L 200 x D 100 x H 80 cm	1 pc. (40,1 kg)	90 04179 56901 7







# NOISE-PROTECTION GABIONS



Gabions that are only filled with stones do not provide effective noise protection. To fulfil the noise protection specifications in the relevant standards, it is necessary to install a noise-protection core in the stone basket.

The noise-protection core is surrounded by stones and is positioned in the basket so that it cannot be seen. It can be made of various materials. SCHERF performs intensive research in the area of noise-protection with gabions. In recent years we have developed and realised a number of high-quality solutions.

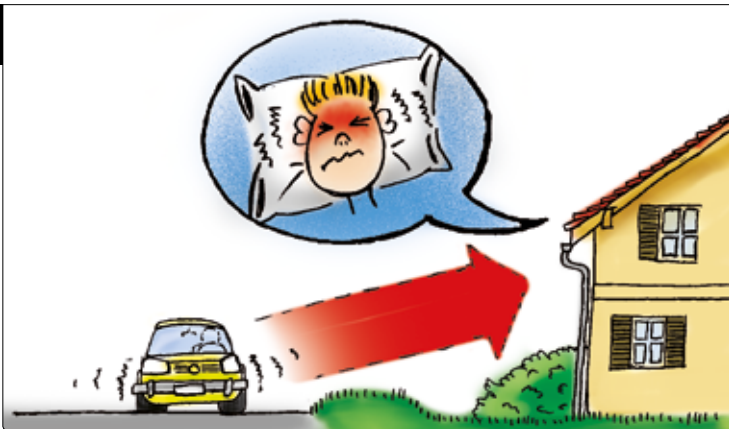
Our references include the Austrian highway construction company ASFINAG and the Office of Styrian Government.

## Noise protection – basic information

Effective noise control is achieved using a combination of sound damping and sound absorbing measures. The damping indicates the reduction of the noise level when passing through a noise-protection element. The sound absorption is the proportion of sound that is „swallowed“ by the noise-protection element and therefore cannot be reflected (noise protection for the area across from the noise-protection wall). A sound reduction of 10 dB is perceived as halving the noise level. More information about the noise protection can be found at [www.asfinag.at](http://www.asfinag.at) and [www.verkehr.steiermark.at](http://www.verkehr.steiermark.at).

### WITHOUT

Noise protection



### WITH

Noise protection



Classification of the sound absorption according to EN 1793-1

Group	DL <sub>a</sub> [dB]
A0	Not tested
A1	< 4
A2	4 to 7
A3	8 to 11
A4	> 11

Classification of the sound insulation according to EN 1793-2

Group	DL <sub>a</sub> [dB]
B0	Not tested
B1	< 15
B2	15 to 24
B3	> 24

DL<sub>a</sub> [dB] = noise reduction in dB

Our systems are suitable for noise-protection measures by highways, streets, train tracks, in residential areas, industrial zones and other noisy areas. Various fill materials are available (see page 60). The variety of rocks and colours makes it possible to use natural stones typical to the region. Highly absorbent noise barriers can be constructed using open-pore lava as a filling material (group A3 under EN1793-1). The noise seal of the joints between the baskets is of particular importance. Our innovative joint seal system prevents the transmission of sound. The systems were tested for noise properties by accredited testing institutes. The measurements were performed on continuous walls (including joints). Test certificates can be provided upon request. Our task is to find a suitable solution for the given situation. Noise-protection projects require exact planning and project management (dimensioning, statics, available space, optic, visual impact). Upon request we can provide project-based concepts, offers and tender specifications.



**TYPE 1****Prefabricated gabion with noise-protection core**

- No deep foundation required
- Fast construction
- Project-related wall depth – dependent on wall height, wind load and project size
- Can also be used as a column for noise-protection elements made out of other materials (wood concrete, wood, glass, aluminium). The wind loads are absorbed by the stone basket. Compared to other column solutions, no expensive deep foundation is necessary here.
- Classification according to EN 1793: absorption A2 or A3, damping B3

**TYPE 2****DIY gabion with noise insulation kit**

- Available at wall depths of 30 cm and 50 cm
- No deep foundation necessary
- Simple construction
- Perfect for DIY enthusiasts
- Classification according to EN 1793: absorption A1 (with lava filling material A3), damping B3

**TYPE 3****Noise-protection cassette for insertion into HEA steel columns**

- Narrow construction – very small footprint (depth 18.5 cm or 25 cm)
- Wall depth 18.5 cm: Mesh size 5x20 cm, One side natural stone filling, Back side, e.g. wood decor
- Wall depth 25 cm: Mesh size 2.5x20 cm, Both sides natural stone filling
- Steel columns must have a deep foundation.
- Prefabricated elements produced in the factory
- Construction similar to familiar noise-protection systems made of wood, aluminium or wood concrete
- Combinations possible with elements of the specified materials
- Classification according to EN 1793: absorption A2 or A3, damping B3





# FILL MATERIALS

## Grain size and the corresponding wall depths & mesh sizes

Grain size	Wall depth	Mesh size
50 – 100 mm	from 15 cm	up to 5 x 10 cm
50 – 150 mm	from 30 cm	up to 5 x 10 cm
60 – 140 mm	from 30 cm	up to 5 x 10 cm
80 – 200 mm	from 30 cm	up to 10 x 10 cm

## The calculation formula for the filling material needs

The material has to be incorporated in layers and in a way that minimises the cavity. An attractive look that is similar to a Cyclopean masonry is achieved by close layering of the stones on the visible surface. In this case, the stones have to be arranged with the flat side on the mesh. This means that when it comes to determining requirements, it is necessary to take a **safety margin of 10%** into account.

Quantity needed = Volume x bulk density + 10% safety factor



### Marble rock, Cloud white

Characteristics: Crushed, washed  
Stone: Marble

50 – 100 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 41759 2
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### Marble rock, Carrara white

Characteristics: Crushed  
Stone: Marble

60 – 140 mm	Big bag	1000 kg	1	1550 kg/m³	90 04179 41819 3
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## Other filling options

	Grain size	Picture on
Decorative marble pebbles, Cloud-white	60 – 100 mm	Page 25
Decorative marble pebbles, Carrara-white	60 – 100 mm	Page 25



### Marble rock, Chateau beige

Characteristics: Crushed, washed  
Stone: Dolomite

50 – 100 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 41749 3
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### Marble rock, Verona red

Characteristics: Crushed, washed  
Stone: Marble

50 – 100 mm	Big bag	1000 kg	1	1400 kg/m³	90 04179 45719 2
80 – 200 mm	Big bag	1000 kg	1	1400 kg/m³	90 04179 45819 9



### Marble rock, Royal red

Characteristics: Crushed, washed  
Stone: Marble

50 – 100 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 45759 8
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## Marble rock, Red brown

Characteristics: Crushed, washed  
Stone: Marble

50 – 100 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 45769 7
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## Hard-gneiss rock, Stainz grey

Characteristics: Crushed, washed  
Stone: Hard gneiss, partly rusty

80 – 200 mm	Big bag	1000 kg	1	1550 kg/m³	90 04179 45839 7
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## Marble rock, Gold ochre

Characteristics: Crushed, washed  
Stone: Marble

50 – 100 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 51749 0
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## Marble rock, Grey white

Characteristics: Crushed, washed  
Stone: Limestone

50 – 100 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 49709 9
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## Green slate rock, Glitter green

Characteristics: Crushed, washed  
Stone: Greenschist

50 – 100 mm	Big bag	1000 kg	1	1600 kg/m³	90 04179 47729 9
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## Gneiss rock, Glimmer grey

Characteristics: Crushed  
Stone: Gneiss

50 – 100 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 49719 8
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## Marble rock, Danube blue

Characteristics: Crushed  
Stone: Marble

50 – 100 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 49739 6
80 – 200 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 49839 3



## Granite rock, Salt & pepper

Characteristics: Crushed, washed  
Stone: Granite

50 – 100 mm	Big bag	1000 kg	1	1600 kg/m³	90 04179 49779 2
80 – 200 mm	Big bag	1000 kg	1	1600 kg/m³	90 04179 49879 9





Basalt rock, Black

Characteristics: Crushed, washed  
Stone: Basalt

50 – 100 mm	Big bag	1000 kg	1	1550 kg/m³	90 04179 49729 7
80 – 200 mm	Big bag	1000 kg	1	1550 kg/m³	90 04179 49829 4



Glass rocks, Tahiti turquoise

Characteristics: Crushed, washed, lime-free  
Stone: Glass

50 – 100 mm	Mesh basket	600 kg	1	1250 kg/m³	90 04179 47747 3
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Marble rock, Black-white

Characteristics: Crushed, washed  
Stone: Marble

50 – 100 mm	Big bag	1000 kg	1	1550 kg/m³	90 04179 49799 0
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Glass rocks, Garden green

Characteristics: Crushed, washed, lime-free  
Stone: Glass

50 – 100 mm	Mesh basket	600 kg	1	1250 kg/m³	90 04179 47737 4
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River pebbles, Colourful

Characteristics: Round, double-washed  
Stone: Quartz

50 – 100 mm	Big bag	1000 kg	1	1600 kg/m³	90 04179 32549 1
50 – 150 mm	Big bag	1000 kg	1	1600 kg/m³	90 04179 32649 8



NEW

Glass rocks, Berry blue

Characteristics: Crushed, washed, lime-free  
Stone: Glass

50 – 100 mm	Mesh basket	600 kg	1	1250 kg/m³	90 04179 49757 0
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Glass rocks, Crystal clear

Characteristics: Crushed, washed, lime-free  
Stone: Glass

50 – 100 mm	Mesh basket	600 kg	1	1250 kg/m³	90 04179 41767 7
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NEW

Glass rocks, Cereal yellow

Characteristics: Crushed, washed, lime-free  
Stone: Glass

50 – 100 mm	Mesh basket	600 kg	1	1250 kg/m³	90 04179 51777 3
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# BUILDING A GABION WALL

## What do you have to consider?

We are happy to help as you design your project. We can provide information on conventional construction methods. Any installation sketches or advice are for information only and we assume no liability for them. Compliance with local building codes, the static calculations and any possible installation errors are all the responsibility builder.

## Free-standing walls

### Foundation construction (non-binding recommendation)

**and maximum wall heights:** Gabion walls do not generally need to have a frost-proof foundation. The ground must be able to absorb the load of the gabions without settling.

#### Wall depth 30 cm

Height up to 100 cm: 30 cm SCHERF broken gravel 0-32 mm  
Height up to 200 cm: Concrete foundation and support construction in the gabion wall

#### Wall depth 50 cm

Height up to 150 cm: 30 cm SCHERF broken gravel 0-32 mm  
Height up to 200 cm: 20 cm unreinforced concrete foundation with double-sided protrusion of 15 cm, approx. 60 cm SCHERF broken gravel 0-63 mm (for 80 cm frost depth)

#### Wall depth 100 cm

Height up to 200 cm: 40 cm SCHERF broken gravel 0-32 mm  
Height up to 400 cm: 50 cm unreinforced concrete foundation with double-sided protrusion of 15 cm, approx. 30 cm SCHERF broken gravel 0-63 mm (for 80 cm frost depth)

The foundations must be planar (+/- 1 cm).

The broken gravel must be compressed.

## Retaining walls

A static calculation must be performed for the dimensioning of the wall cross-section and the design of the foundations. Factors influencing the calculation:

Ground, water pressure, back filling, pressure conditions, weight of the filling material, gradient above or below the retaining wall, loads (street loads), desired wall form. The calculation is performed in the same manner as for a gravity wall. The slide stability, overturning stability, bearing capacity and global stability must be demonstrated.

### Foundation construction (non-binding recommendation):

For the standard case for terracing (no head bank or no continuing embankment slope, no loads), we recommend the following foundations and maximum wall heights:

#### • Wall depth 30 cm

Height up to 100 cm: 30 cm SCHERF broken gravel 0-32 mm

#### • Wall depth 50 cm

Height up to 150 cm: 30 cm SCHERF broken gravel 0-32 mm

#### • Wall depth 100 cm

Height up to 350 cm: 30 cm SCHERF broken gravel 0-32 mm

For greater wall heights, calculation of the building site statics is mandatory.

The broken gravel has to be compressed. The bottom 10-20 cm of the wall must be integrated into the ground.

### Inclination

The retaining wall must be tilted 6° to 8.5° against the slope. The total inclination can be produced by offsetting horizontal elements in layers, by tilting all elements together or with a combination of the two approaches.

In general, larger angles of inclination make it possible to realise higher walls (e.g. with stepping).

### Drainage

For low-permeable soil, reliable drainage must be ensured. Water falling on the ground should be drained off from the ground area as quickly as possible, using simple structural means that are low-maintenance (see the graphic to the right).

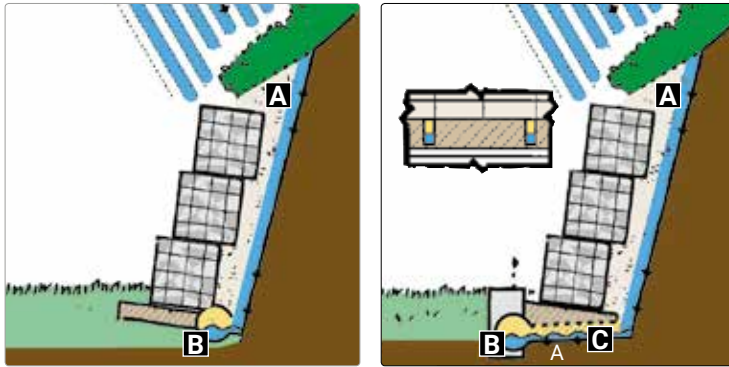
### Backfilling

If the fill material, backfill ground, cover material (head bank) or the upcoming ground are not trickle-proof with respect to one another and the water movements are to be expected, then between the critical soil types a geotextile filter (mat, max 150 g/m<sup>2</sup>) must be installed. We recommend installing a mat at the bank as well as between the backfill material (SCHERF broken gravel 40-70 mm) and the cover material (head bank).

To prevent movement and damage, the area of at least 1 m width directly behind the wall has to be compressed only with light equipment. Head banks above a retaining wall should not be steeper than 33° and be protected from erosion by planting. The foot of the head bank should be at least 50 cm behind the front edge of the retaining wall.

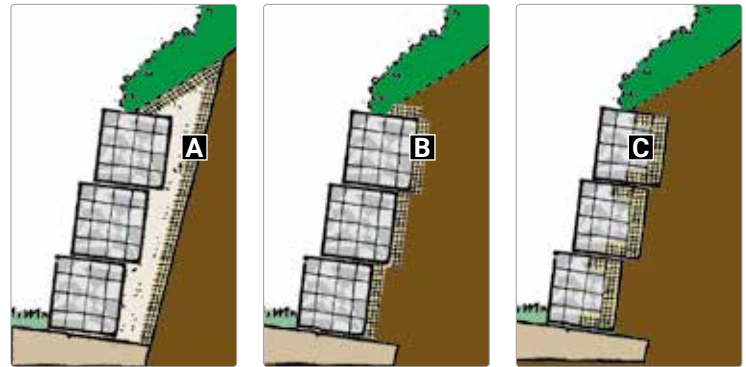


## Examples for ground drainage



- A** Trickle-proof, water-permeable backfill material
- B** Drainage line
- C** Drainage trench at a distance of 2 m (section A-A)


## Examples for the location of a geotextile filter




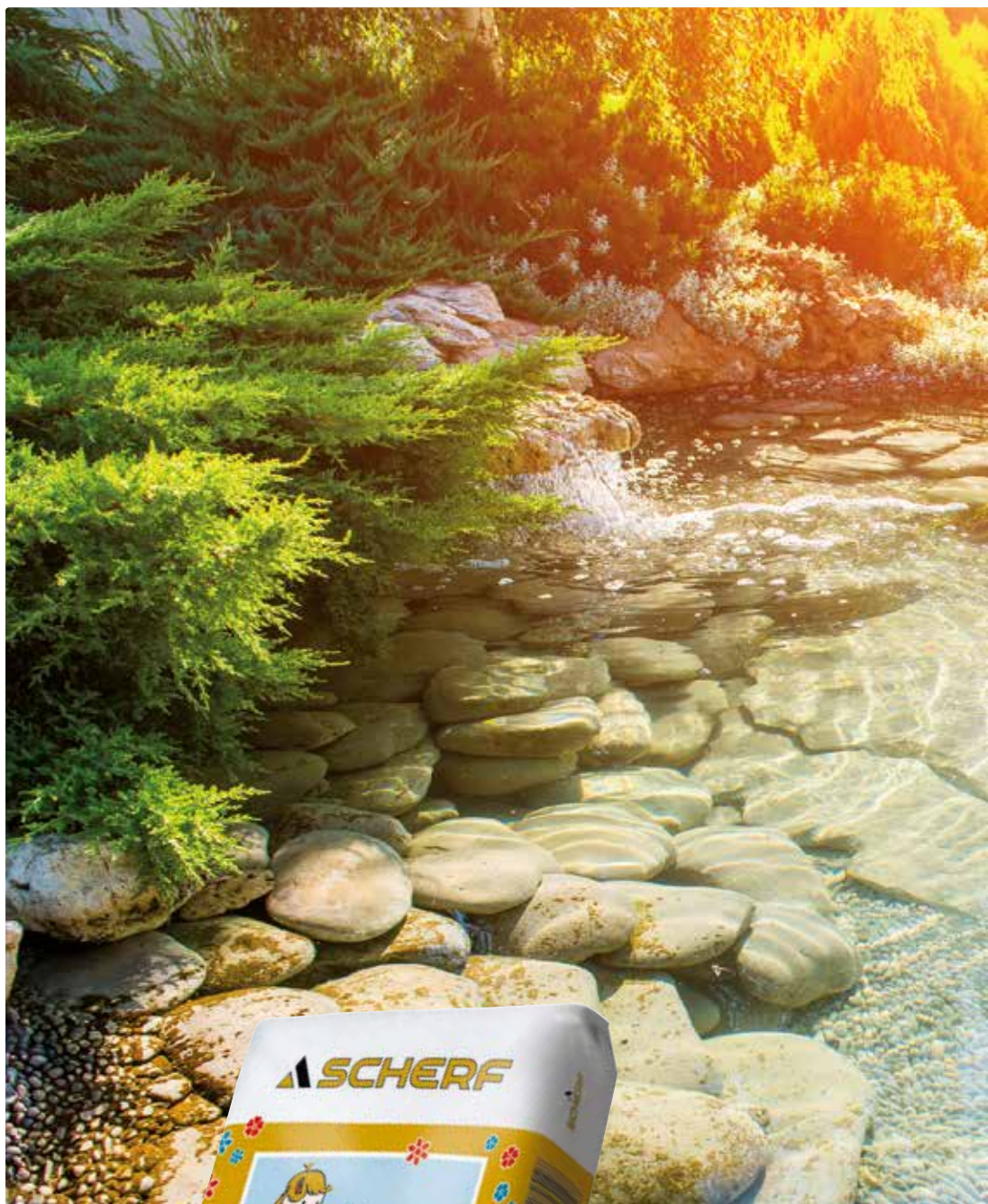
- A** Mat on the bank (standard)
- B** Mat behind the basket
- C** Mat in the basket



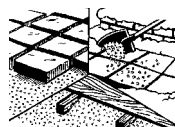
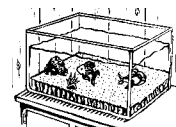
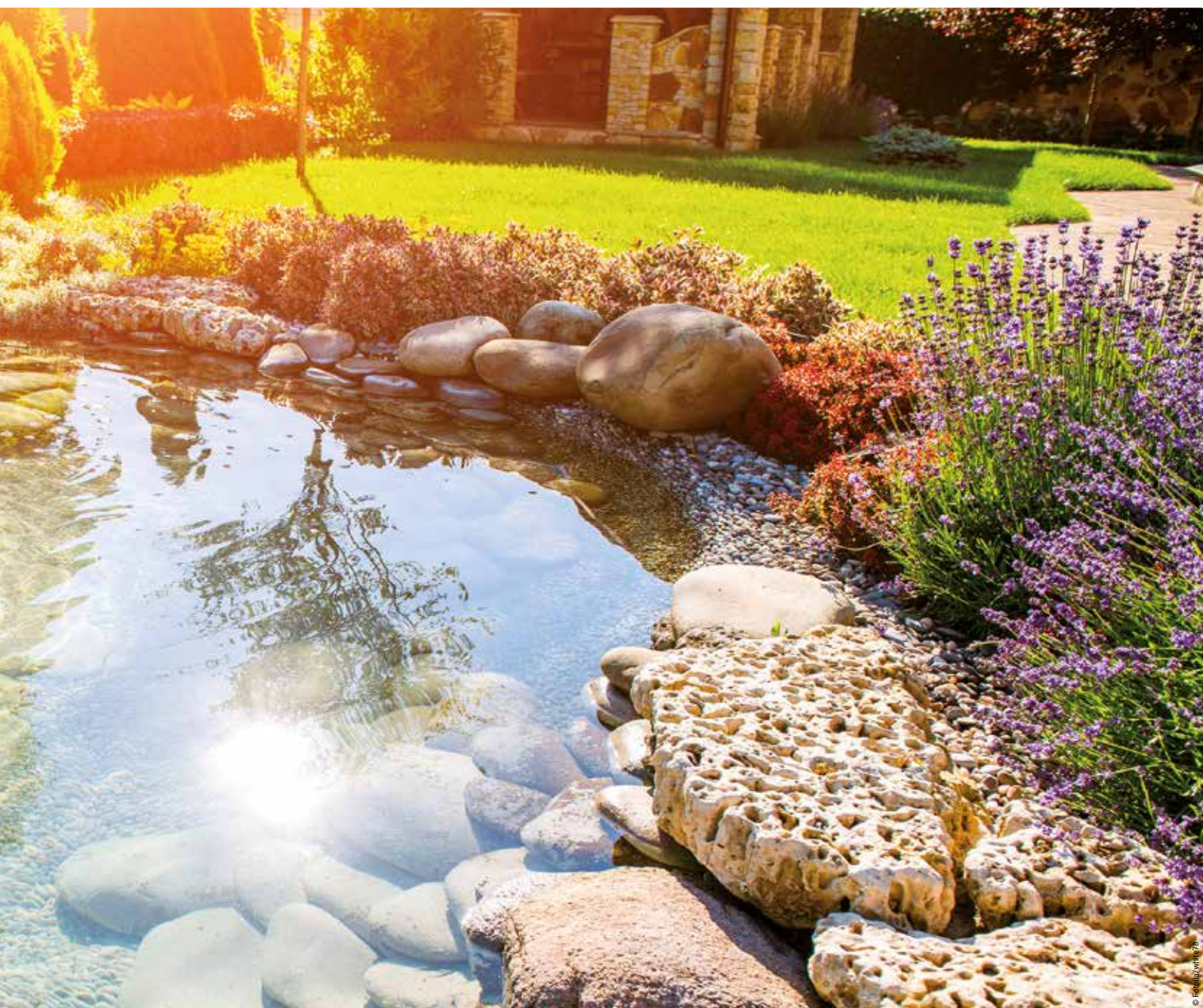


 Our natural products are subject to variation in colour, texture and size. Due to the nature of the printing process, the images may not correspond to the actual material colour.

 The declarations of performance for our construction products which are in line with the EU construction product regulation (BauPVo, EU regulation 305/2011) can be found on our website [www.scherf.at](http://www.scherf.at) under „Products“.







# ENVIRONMENT & LEISURE





## Play sand, Golden brown

Natural play that is fun and promotes creativity.

**Characteristics:** Pure natural product, washed quality, with low silt content, certified in accordance with EU law (CE marked), suitable from 0 years and up, fine grain - ideal for building and modelling.

0,06 – 1 mm	PE sack	25 kg	48	1350 kg/m³	90 04179 03006 7
0,06 – 1 mm	Tandem-Bags	428 kg	1	1350 kg/m³	90 04179 03007 4
0,06 – 1 mm	Tandem-Bags	1000 kg	1	1350 kg/m³	90 04179 03008 1
0,06 – 1 mm	Big bag	1000 kg	1	1350 kg/m³	90 04179 03009 8
0,06 – 1 mm	Bulk	1000 kg		1350 kg/m³	90 04179 03000 5



## Play sand – dog and cat repellent, Golden brown

Play sand with natural aromatic oils, fine grain volcanic rock acts as a repository for the fragrant oil - ensures longer efficacy and less leaching.

**Characteristics:** Pure natural product, washed quality, with low silt content, certified in accordance with EU law (CE marked), suitable from 0 years and up, fine grain - ideal for building and modelling.

0,06 – 1 mm	PE sack	25 kg	48	1350 kg/m³	90 04179 03206 1
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## Play sand, South Sea beige

Light, washed play sand. Natural play that is fun and promotes creativity.

**Characteristics:** Pure natural product, washed quality, with low silt content, certified in accordance with EU law (CE marked), suitable from 0 years and up, doesn't harden in the sand pit, ideal grain size for building and shaping.

0,1 – 0,8 mm	PE sack	25 kg	48	1350 kg/m³	90 04179 03306 8
0,1 – 0,8 mm	Big bag	1000 kg	1	1350 kg/m³	90 04179 03309 9
0,1 – 0,8 mm	Bulk	1000 kg		1350 kg/m³	90 04179 03300 6



## Play sand with shells, South Sea beige

Beautiful sea shells and colourful stones hidden in washed play sand. Play at home as if you were on the beach. Full of curiosity, children discover the different shells and decorate their sand castles with them.

**Characteristics:** 100% natural product, washed – the shells are an ancillary product to the shellfish meat industry, tested in accordance with the EU toy directive (CE marked), does not contain heavy metals and radioactive rays, suitable from 3 years of age and up, ideal grain size for building and shaping.

0,1 – 0,8 mm	Big bag	1000 kg	1	1350 kg/m³	90 04179 03409 6
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## Fall-protection sand

Permanent and clean fall-protection for natural playground designs.

**Colour:** Beige

**Characteristics:** Round grain, washed

**Properties:** Complies with EN 1176-1 Playground Equipment and Playground Surfacing, dust-free and no binding fines, good extrusion and impact absorption, lime-free, high abrasion resistance (quartz), minimum layer thicknesses as per EN 1176-1: < 2 m critical fall height at least 30 cm fall-protection sand, < 3 m critical fall height at least 40 cm fall-protection sand.

0,5 – 2 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 14649 2
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## Fall-protection gravel

Permanent and clean fall-protection for natural playground designs.

**Colour:** Colourful

**Stone:** Quartz

**Characteristics:** Round grain, twice-washed

**Properties:** Complies with EN 1176-1 Playground Equipment and Playground Surfacing, dust-free and no binding fines, good extrusion and impact absorption, lime-free, high abrasion resistance (quartz), minimum layer thicknesses as per EN 1176-1: < 2 m critical fall height at least 30 cm fall-protection gravel, < 3 m critical fall height at least 40 cm fall-protection gravel.

4 – 8 mm	Big bag	1000 kg	1	1600 kg/m³	90 04179 32049 6
4 – 8 mm	Bulk	1000 kg		1600 kg/m³	90 04179 32040 3



## Beach volleyball sand (quartz sand)

Beach volleyball and beach soccer sand.

**Colour:** Beige

**Characteristics:** Round, washed

**Properties:** Sand seal of approval awarded by the Austrian Volleyball Federation Beach Volleyball Unit, abrasion-resistant (low dust generation), SiO<sub>2</sub> proportion > 90%, natural, frost- and salt-resistant, lime-free, optimal grain-size distribution, does not harden, injury-free play (no abrasions), easy on the joints, easy to maintain.

0,1 – 1 mm	Big bag	1000 kg	1	1400 kg/m³	90 04179 13149 8
0,1 – 1 mm	Bulk	1000 kg		1400 kg/m³	90 04179 13140 5



## Long-jump sand (quartz sand)

Sand for long-jump facilities.

**Colour:** Beige

**Characteristics:** Round, washed

**Properties:** Abrasion-resistant (little dust), SiO<sub>2</sub> proportion > 90%, natural, frost- and salt-resistant, lime-free, optimal grain-size distribution, does not harden, easy on the joints, easy to maintain.

0,06 – 2 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 13349 2
0,06 – 2 mm	Bulk	1000 kg		1500 kg/m³	90 04179 13340 9



## Footing for riding arenas (quartz sand)

Sand for riding arena-footing.

**Colour:** Beige

**Characteristics:** Round

**Properties:** Conforms to the FLL recommendations for the construction of riding arenas, abrasion resistant, frost resistant, lime free.

0 – 4 mm	Bulk	1000 kg		1500 kg/m³	90 04179 02210 9
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## Turf-bearing layer for sport grounds

For new construction and redevelopment of sports ground lawns.

**Characteristics:** Round-grain quartz sands, grade A compost

**Properties:** It meets all the requirements of ÖNORM B 2606-1 sports fields - grass surfaces (water permeability, water storage capacity, organic matter, lime content, PH and grain-size distribution), factory-prepared and homogeneous mixture (costs for mixing on the building site are not applicable), standardised mixture (the aggregates and mixing ratio are constant), suitable for all playing fields and design examples in line with ÖNORM, also ideal for repair work such as e.g. repairing the goalmouth without turf (environmentally friendly, conserving fertiliser, pesticides and water, less fertiliser leaching in ground and surface water), the best possible soil physical properties and high shear strength, good ventilation, the best possible cost-efficient supply of nutrients, microbiologically stable and biologically highly active (soil microorganisms enhance soil fertility and plant growth, strengthen the natural defences against fungi and pests, rapid decomposition of lawn thatch to give valuable humus).

**Use:** The turf-bearing layer is typically to be interlocked with the layer below about 5 cm deep. The thickness of the turf-bearing layer must be 10 cm to 15 cm when compressed. Compression is to be performed with a lattice or smooth roller (e.g. sleeve width 1.0 m, cylinder diameter 60 cm, weight 500 kg). The height of the turf-bearing layer surface may deviate from the target height by no more than 2 cm. When checking the evenness, the stitch height below the 4-metre slat may not exceed 2 cm. If it is necessary to drive over the finished turf-bearing layer, only devices that apply a pressure to the ground of less than 0.6 kg/cm<sup>2</sup> may be used.

**Tip:** Yearly sanding with washed SCHERF quartz sand, 0.06-2 mm, is an essential measure for the long-term maintenance of the turf and to ensure its functionality. The amount of sand to be dispersed is approx. 5 l/m<sup>2</sup>. For thatching or aeration, up to 10 l/m<sup>2</sup> can be applied. After sanding, it is essential that you spread for filling, in particular for aeration so that the holes that have been created are filled in.

	Big bag	1000 kg	1	1350 kg/m <sup>3</sup>	90 04179 17309 2
	Bulk	1000 kg		1350 kg/m <sup>3</sup>	90 04179 17300 9



## Lawn soil

For creating new lawn surfaces. For renovation of existing lawn (compensating unevenness, improving humus content). For creating plant beds As a base for turf rolls.

**Characteristics:** Commodity class A compost, clay and silt quartz sand.

**Properties:** Optimal quality substrate for perfect lawn within a few weeks, rapid germination and growth of grass seed, balanced nutrient content (light re-fertilisation with nitrogen recommended in the second year), balanced water permeability and water storage capacity, reduced irrigation and maintenance needs, weed-free, microbiologically stable, no peat.

**Use:** The homogeneity and very fine, crumbly structure make possible easy, uniform use. Installed with a thickness of 10 to 20 cm. You should expect the height to drop by about 20%, the earth should be put in higher accordingly. Compacted ground should be loosened before installation. The lawn soil is distributed evenly with a rake. After that, quality seed is to be sown evenly on the surface and gently raked in. The surface is then lightly compacted with a smooth roller and watered daily (even after germination of the grass, the earth must be kept continuously moist). Mow for the first time at a height of approximately 10 cm.

For plant beds, the layer thickness is approximately 20 cm. An additional start fertilisation of 1 kg horn chips per m<sup>2</sup> is recommended.

0 – 10 mm	Big bag	1000 kg	1	1100 kg m <sup>3</sup>	90 04179 05109 3
0 – 10 mm	Bulk	1000 kg		1100 kg m <sup>3</sup>	90 04179 05100 0





## Sieved humus soil

Perfect for landscaping gardens and green areas and levelling out existing green spaces.

**Characteristics:** Sieved field soil

**Use:** The fine filtration enables simple processing at the right level. Soil can be worked either by hand or with a machine at layers of 15-20 cm.

0 – 10 mm	Bulk	1000 kg		1400 kg/m³	90 04179 05000 3
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## Unsieved humus soil

Perfect for landscaping gardens and green areas.

**Characteristics:** Unsieved field soil

**Use:** Soil can be worked either by hand or with a machine at layers of 15-20 cm.

	Bulk	1000 kg		1400 kg/m³	90 04179 05010 2
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## Bark mulch

Conifer bark for natural soil protection.

**Colour:** Red-brown

**Characteristics:** Coniferous bark

**Properties:** Renewable natural product from Austria, PEFC certified, contains no tannic acid therefore plant friendly, minimizes the weed growth, regulates the soil temperature, protects the soil from dehydration in summer and frost in winter, microorganisms loosen the soil and improve fertility, erosion protection on slopes.

**Use:** Free the area from weeds. Rake the mulch to a thickness of max. 5 cm. A nitrogen fertilizer for example with horn chips is recommended.

0 – 40 mm	Big bag	1000 l	1	250 kg/m³	90 04179 07209 8
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## Wood chips

Coniferous wood chips for mulching flower beds. Covering material for comfortable garden paths.

Structural material for organic waste composting.

**Colour:** Natural

**Characteristics:** Conifer wood chips

**Properties:** Renewable natural product from Austria, PEFC certified, contains no tannic acid therefore plant friendly, minimizes the weed growth, regulates the soil temperature, protects the soil from dehydration in summer and frost in winter, microorganisms loosen the soil and improve fertility, hard-wearing and durable, erosion protection on slopes, air supply by admixture with the house compost, attractive flower bed and landscaping material.

**Use:** Free the area from weeds. Rake the wood chips to a thickness of max. 5 cm. A nitrogen fertilizer for example with horn chips is recommended.

0 – 50 mm	Big bag	1000 l	1	250 kg/m³	90 04179 06309 6
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## Lawn sand (quartz sand)

For sanding lawn areas. For a healthy and lush lawn.

**Colour:** Beige

**Characteristics:** Round grain, washed, fire-dried

**Properties:** Aerates the lawn and promotes water, nitrogen and nutrient absorption by the grass roots, enables healthy and even lawn growth, reduces felting, works with spreaders, natural, frost-resistant, lime free.

**Use:** Apply approximately 2-3 kg of lawn sand per square metre evenly with the spreader. Apply 1-2 times a year (spring and late summer) after scarifying.

**Storage:** Store opened pallets in a cool dry place.

0,06 – 2 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 17026 8
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## Filter sand

Filter sand for water purification filter.

**Colour:** Light beige

**Characteristics:** Fire-dried

**Properties:** SiO<sub>2</sub> percentage >96%, ultra pure, pH-NEutral, sterile, natural, lime-free.

0,4 – 0,8 mm	PE sack	25 kg	48	1400 kg/m <sup>3</sup>	90 04179 17566 9
0,71 – 1,25 mm	PE sack	25 kg	48	1400 kg/m <sup>3</sup>	90 04179 17666 6
1 – 2 mm	PE sack	25 kg	40	1400 kg/m <sup>3</sup>	90 04179 17866 0
2 – 3,15 mm	PE sack	25 kg	40	1400 kg/m <sup>3</sup>	90 04179 17966 7
3,15 – 5,6 mm	PE sack	25 kg	40	1400 kg/m <sup>3</sup>	90 04179 18066 3



## Aquarium sand (quartz sand), Beige

Natural quartz sand for use as substrate for aquariums.

**Colour:** Beige

**Characteristics:** Round grain, washed, fire-dried

**Properties:** SiO<sub>2</sub> percentage >90%, natural, acid-resistant, lime-free.

0,4 – 0,8 mm	PE sack	10 kg	1	1400 kg/m <sup>3</sup>	90 04179 14474 0
0,4 – 0,8 mm	PE sack	25 kg	48	1400 kg/m <sup>3</sup>	90 04179 14476 4

## Aquarium gravel (quartz gravel), Beige

Natural quartz sand for use as substrate for aquariums.

**Colour:** Beige

**Characteristics:** Round grain, washed, fire-dried

**Properties:** SiO<sub>2</sub> percentage >90%, natural, acid-resistant, lime-free.



1 – 2 mm	PE sack	5 kg	1	1500 kg/m <sup>3</sup>	90 04179 15173 1
1 – 2 mm	PE sack	10 kg	1	1500 kg/m <sup>3</sup>	90 04179 15174 8
1 – 2 mm	PE sack	25 kg	48	1500 kg/m <sup>3</sup>	90 04179 15176 2
2 – 4 mm	PE sack	5 kg	1	1500 kg/m <sup>3</sup>	90 04179 15673 6
2 – 4 mm	PE sack	10 kg	1	1500 kg/m <sup>3</sup>	90 04179 15674 3
2 – 4 mm	PE sack	25 kg	48	1500 kg/m <sup>3</sup>	90 04179 15676 7
4 – 8 mm	PE sack	5 kg	1	1500 kg/m <sup>3</sup>	90 04179 15873 0
4 – 8 mm	PE sack	10 kg	1	1500 kg/m <sup>3</sup>	90 04179 15874 7
4 – 8 mm	PE sack	25 kg	48	1500 kg/m <sup>3</sup>	90 04179 15876 1



## Aquarium sand (quartz sand), White

Natural quartz sand for use as substrate for aquariums.

**Colour:** White

**Characteristics:** Round grain, washed, fire-dried

**Properties:** SiO<sub>2</sub> percentage >90%, natural, acid-resistant, lime-free.

0,4 – 0,8 mm	PE sack	10 kg	1	1400 kg/m <sup>3</sup>	90 04179 14484 9
0,4 – 0,8 mm	PE sack	25 kg	48	1400 kg/m <sup>3</sup>	90 04179 14486 3



## Aquarium gravel (quartz gravel), White

Natural quartz sand for use as substrate for aquariums.

**Colour:** White

**Characteristics:** Round grain, washed, fire-dried

**Properties:** SiO<sub>2</sub> percentage >90%, natural, acid-resistant, lime-free.

2 – 4 mm	PE sack	5 kg	1	1500 kg/m <sup>3</sup>	90 04179 15683 5
2 – 4 mm	PE sack	25 kg	48	1500 kg/m <sup>3</sup>	90 04179 15686 6





## Pond gravel

Low-phosphorus limestone gravel for use in biologically-treated bodies of water.

**Colour:** Colourful grey

**Stone:** Limestone / Dolomit

**Characteristics:** Round grain, washed

**Properties:** Qualified as suitable, low in phosphorus - less algae and biofilm growth by limiting nutrients, constant replacement of limestone for regulating the PH, 80-90% carbonate stone, frost-resistant.

16 – 32 mm	Big bag	1000 kg	1	1650 kg/m³	90 04179 32219 3
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## Grit and paving chippings

Grit on pavements, roads and squares. Bedding material for paving and slabbed surfaces in an unbound structure. Bulk material for floor structures in interior design. Joint chips for water-permeable, ecological paving stone joints (joint width > 8 mm). For filling lattice stone paving on lawns. Aggregate for chipping concrete.

**Characteristics:** High-grade crushed aggregate, dry. Store in a cool dry place!

**Properties:** Complies with the conditions for execution of ÖNORM B 2214 outsourcing standard for paving work (no round grain) and the specifications of RVS 08.18.01 "Cobblestone and paving slab surfaces, borders" for load class III, complies with the TL spreading materials, dust content <0.063 mm max 1% high abrasion resistance (minimal dust formation), does not cause corrosion, does not cumulate (no unevenness), permeable to water, natural, frost-resistant, lime-free, CE marked.

**Storage:** Store opened pallets in a cool dry place.

2 – 4 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 30116 7
4 – 8 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 30216 4



## Basalt grit

Grit on pavements, roads and squares.

**Colour:** Anthracite

**Stone:** Basalt

**Characteristics:** High-grade crushed aggregate, dry. Store in a cool dry place!

**Properties:** Complies with RVS 12.04.16 - SPREADING MATERIAL (Type 1-S approved in redevelopment areas in accordance with IG-L), TL spreading materials as well as the Styrian clean air act and the Viennese winter road maintenance regulation. No danger of silicosis as it is quartz free, dust content <0.063 mm max 1%, high abrasion resistance (minimal dust formation), does not cause corrosion, natural, frost-resistant.

**Storage:** Store opened pallets in a cool dry place.

2 – 4 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 30176 1
2 – 4 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 30179 2
4 – 8 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 30276 8
4 – 8 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 30279 9



## Empty sandbag for flood protection

For support of entrances, garage doors, cellar doors and windows. For construction of dams. As ballast for vehicles and ships. Weighing down signs and tents.

**Colour:** White

**Characteristics:** PP woven sack

**Properties:** UV stabilised and tear-resistant sack (79 g/m²)

**Use:** The seam should be facing against the water flow, place the bottom of the sack towards the water. Sacks that remained dry can be reused. 3-4 Sacks are needed per running meter.

A row of sacks is about 8 cm high.

40x70 cm	PP sack	1 pc.	50		90 04179 02395 3
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**!** Our natural products are subject to variation in colour, texture and size. Due to the nature of the printing process, the images may not correspond to the actual stone colour. (See sample service on the back page). The information about stone sizes relates to the sieve mesh size. Larger side lengths with longer stones and a small proportion of smaller stones cannot be avoided due to the nature of the sieves. Many types of products are delivered „washed“. A little bit of abrasive dust is produced as a result of manipulating the material when packaging it. This does not constitute grounds for a complaint.

**i** The declarations of performance for our construction products which are in line with the EU construction product regulation (ConstructionPVo, EU regulation 305/2011) can be found on our website [www.scherf.at](http://www.scherf.at) under „Products“.







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# CONSTRUCTION





## Paving chippings

Bedding material for paving and slabbed surfaces in an unbound structure. Joint chips for water-permeable, ecological paving stone joints (joint width > 8 mm). For filling lattice stone paving on lawns. Aggregate for chipping concrete.

**Characteristics:** High-grade crushed aggregate

**Properties:** Complies with the conditions for execution of ÖNORM B 2214 outsourcing standard for paving work (no round grain) and the specifications of RVS 08.18.01 "Cobblestone and paving slab surfaces, borders" for load class III, high abrasion resistance, does not cause corrosion, does not cumulate (no unevenness), permeable to water, natural, frost-resistant, lime-free, CE marked.

2 – 4 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 30126 6
2 – 4 mm	Tandem-Bags	428 kg	1	1500 kg/m³	90 04179 30127 3
2 – 4 mm	Tandem-Bags	1000 kg	1	1500 kg/m³	90 04179 30128 0
2 – 4 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 30119 8
2 – 4 mm	Bulk	1000 kg		1500 kg/m³	90 04179 30110 5
4 – 8 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 30226 3
4 – 8 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 30219 5
4 – 8 mm	Bulk	1000 kg		1500 kg/m³	90 04179 30210 2



## Joint sand (quartz sand), Beige

For grouting paving and slabbed surfaces made of concrete blocks, natural stone and brick.

**Colour:** Beige

**Characteristics:** Round grain, fire-dried

**Properties:** Optimum flow properties, cohesive thanks to fine particles, natural, frost-resistant, lime-free.

**Use:** Processed using an unbound construction method: Apply joint sand into the joints on the dry paving surface with a brush or with a squeegee and cover with lots of water. Fill the joints up to the full height.

After grouting the surface, sweep it clean and riddle several times both lengthways and crosswise with a suitable vibrating plate and sufficient addition of water. Fill with joint sand again, slurry and sweep the dust off. The paved area can be used and driven on immediately after vibrating. One sack is enough for 4-7 m² depending on the joints.

**Storage:** Store opened pallets in a cool dry place.

* 0 – 1,5 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 12026 3
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\* 3 – 5 mm joint width



## Joint sand, Light beige

For grouting paving and slabbed surfaces made of concrete blocks, natural stone and brick.

**Colour:** Light beige

**Characteristics:** High-grade crushed aggregate, dry

**Properties:** Complies with the conditions for execution of ÖNORM B 2214 outsourcing standard for paving work (no round grain) and the specifications of RVS 08.18.01 "Cobblestone and paving slab surfaces, borders" for load class III, and the ZTV paving StB 06 and the TL paving StB06, sustainable and stable joints due to crushed grain, reduced filler content, does not sink into the gravel bed, natural, frost-resistant, lime-free.

**Use:** See joint sand (quartz sand), beige

**Storage:** Store opened pallets in a cool dry place.

* 0 – 2 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 12116 1
** 1 – 3 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 12716 3

\* 3 – 5 mm joint width

\*\* 5 – 10 mm joint width



## Joint sand, Light grey

For grouting paving and slabbed surfaces made of concrete blocks and natural stone.

**Colour:** Light grey

**Characteristics:** High-grade crushed aggregate, dry

**Properties:** Complies with the conditions for execution of ÖNORM B 2214 outsourcing standard for paving work (no round grain) and the specifications of RVS 08.18.01 "Cobblestone and paving slab surfaces, borders" for load class IV, and the ZTV paving StB 06 and the TL paving StB06, sustainable and stable joints due to crushed grain, reduced filler content, does not sink into the gravel bed, natural, frost-resistant, calciferous.

**Use:** See joint sand (quartz sand), beige

**Storage:** Store opened pallets in a cool dry place.

* 0 – 2 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 12136 9
** 1 – 3 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 12736 1

\* 3 – 5 mm joint width

\*\* 5 – 10 mm joint width



## Joint sand, Anthracite (dry)

For grouting paving and slabbed surfaces made of concrete blocks, natural stone and brick.

**Colour:** Anthracite

**Characteristics:** High-grade crushed aggregate, dry

**Properties:** See joint sand, light beige

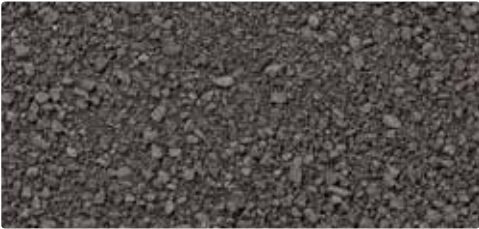
**Use:** See joint sand (quartz sand), beige

**Storage:** Store opened pallets in a cool dry place.

* 0 – 2 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 12156 7
** 1 – 3 mm	PE sack	25 kg	48	1500 kg/m³	90 04179 12756 9

\* 3 – 5 mm joint width

\*\* 5 – 10 mm joint width



## Fine quartz sand

Aggregate for tile grout. For emaciating tile adhesives. For grouting paving stones with joints of < 2 mm.

**Colour:** Light beige

**Characteristics:** High-quality crushed stone, dry, dedusted

**Properties:** Ideal processing characteristics, abrasion-resistant (hardness 7 on the Mohs' scale of hardness), natural, resistant to frost and thawing salt, lime-free.

**Storage:** Store opened pallets in a cool dry place.

0,06 – 0,3 mm	PE sack	25 kg	48	1400 kg/m³	90 04179 13066 8
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## Quartz sand

Available in different grain sizes. For a variety of uses.

**Colour:** Beige

**Characteristics:** Round grain, washed, fire-dried

**Properties:** Ideal processing characteristics, abrasion-resistant (hardness 7 on the Mohs' scale of hardness), natural, resistant to frost and thawing salt, lime-free.

**Storage:** Store opened pallets in a cool dry place.

0,06 – 1 mm	PE sack	25 kg	48	1400 kg/m³	90 04179 13166 5
0,3 – 1 mm	PE sack	25 kg	48	1400 kg/m³	90 04179 14166 4
0,3 – 2 mm	PE sack	25 kg	48	1400 kg/m³	90 04179 14366 8
0,4 – 0,8 mm	PE sack	25 kg	48	1400 kg/m³	90 04179 14466 5
0,7 – 1,2 mm	PE sack	25 kg	48	1400 kg/m³	90 04179 14766 6
1 – 2,2 mm	PE sack	25 kg	48	1400 kg/m³	90 04179 15066 6







## Quartz sand

0,1 – 1 mm: Aggregate for: Fine plaster for interior and exterior surfaces, loam plaster, plaster grout, repair mortar. Top dressing sand for golf courses. Beach volleyball and beach soccer sand. Sand for breeding young plants.

0,06 – 2 mm: Aggregate for: Fine plaster for interior and exterior surfaces, loam plaster, pavement joint mortar, repair mortar. Bunker sand for golf courses. Sand for turf-bearing layers in sport grounds construction. For sanding sports grounds.

0,3 – 2 mm: Sand for long-jump facilities: Material for concrete paving stones. Bunker sand for golf courses.

0,06 – 4 mm: Aggregate for: Wall mortar, screed, rough plaster for interior and exterior surfaces. Sand for turf-bearing layers in sport grounds construction.

**Colour:** Beige

**Characteristics:** Round, washed

**Properties:** Optimal workability, abrasion-resistant (hardness 7 on the mohs scale of hardness) SiO<sub>2</sub> proportion > 90%, natural, frost- and salt-resistant, lime-free. CE mark.

0,1 – 1 mm	Big bag	1000 kg	1	1400 kg/m <sup>3</sup>	90 04179 13149 8
0,1 – 1 mm	Bulk	1000 kg		1400 kg/m <sup>3</sup>	90 04179 13140 5
0,06 – 2 mm	Big bag	1000 kg	1	1500 kg/m <sup>3</sup>	90 04179 13349 2
0,06 – 2 mm	Bulk	1000 kg		1500 kg/m <sup>3</sup>	90 04179 13340 9
0,3 – 2 mm	Big bag	1000 kg	1	1500 kg/m <sup>3</sup>	90 04179 14349 1
0,06 – 4 mm	Big bag	1000 kg	1	1600 kg/m <sup>3</sup>	90 04179 13549 6
0,06 – 4 mm	Bulk	1000 kg		1600 kg/m <sup>3</sup>	90 04179 13540 3



## Cable sand

Bedding material for cables, pipes and tanks in underground construction.

**Colour:** Brown

**Characteristics:** Round grain

0 – 5 mm	Bulk	1000 kg		1400 kg/m <sup>3</sup>	90 04179 02300 7
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## Masonry and plaster sand

Aggregate for: Masonry mortar, coarse plaster for interior and exterior surfaces, pre-treatment.

**Colour:** Beige

**Characteristics:** Round grain

**Properties:** High plaster hardness, ideal grading curve, optimum processing characteristics, natural, frost-resistant, lime-free.

0 – 5 mm	PE sack	25 kg	48	1600 kg/m <sup>3</sup>	90 04179 10006 7
0 – 5 mm	Big bag	1000 kg	1	1600 kg/m <sup>3</sup>	90 04179 10009 8
0 – 5 mm	Bulk	1000 kg		1600 kg/m <sup>3</sup>	90 04179 10000 5



## Marble sand (fine plaster sand)

Aggregate for: White finishing plaster for interior and exterior surfaces, repair mortar.

**Colour:** White

**Characteristics:** Crushed aggregate, dusted

**Properties:** High degree of whiteness, optimum smoothing and processing qualities, natural, frost-resistant.

0 – 1 mm	PE sack	25 kg	48	1500 kg/m <sup>3</sup>	90 04179 40116 4
0 – 2 mm	PE sack	25 kg	48	1500 kg/m <sup>3</sup>	90 04179 40216 1



## Abrasive sand (cutting sand, fine plaster sand)

Aggregate for: Fine plaster for interior and exterior surfaces, pavement fixing mortar, repair mortar.  
**Colour:** Beige Brown  
**Characteristics:** Round, washed  
**Properties:** High plastering hardness, optimum smoothing and processing characteristics, natural, frost-resistant, CE marked.

0,06 – 1 mm	PE sack	25 kg	48	1300 kg/m³	90 04179 10526 0
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## Screed sand (concrete sand)

Aggregate for: Screeds, bedding mortar for natural and concrete slabs and paving stones, low-thickness concrete, masonry mortar for natural stone walls, rustic plaster with coarse structure (sgraffito).  
**Colour:** Beige Brown  
**Characteristics:** Round grain, washed  
**Properties:** Complies with EN 12620 aggregate for concrete, for high-strength screeds free from cracks, can be processed mechanically and manually, optimum smoothing and processing characteristics, natural, frost-resistant, CE marked.

0,06 – 4 mm	PE sack	25 kg	48	1700 kg/m³	90 04179 11026 4
0,06 – 4 mm	Big bag	1000 kg	1	1700 kg/m³	90 04179 11029 5
0,06 – 4 mm	Bulk	1000 kg		1700 kg/m³	90 04179 11020 2
0,06 – 8 mm	PE sack	25 kg	48	1700 kg/m³	90 04179 11226 8
0,06 – 8 mm	Big bag	1000 kg	1	1700 kg/m³	90 04179 11229 9



## Concrete ballast (gravel concrete)

Aggregate for concrete.  
**Colour:** Beige Brown  
**Characteristics:** Round grain, washed  
**Properties:** Complies with EN 12620 aggregate for concrete, optimum smoothing and processing characteristics, natural, frost-resistant, CE marked.

0 – 16 mm	PE sack	25 kg	48	1800 kg/m³	90 04179 31206 4
0 – 16 mm	Big bag	1000 kg	1	1800 kg/m³	90 04179 31209 5
0 – 16 mm	Bulk	1000 kg		1800 kg/m³	90 04179 31200 2



## Round gravel

**4–8 mm:** Aggregate for concrete. Filter gravel in plant-based purification systems and in pond construction. Fall-protection gravel. Pavement for sidewalks and parking lots.  
**8–16 mm:** Aggregate for concrete, surfacing for pavements and car parks. Pond construction.  
**16–32 mm:** Drainage gravel. Backfill of building foundations and basements. Gravel layer under foundation slabs. Pond construction.  
**32–50 mm:** Pond construction. Springs. Eaves gravel.

**Colour:** Bright and colourful  
**Stone:** Quartz  
**Characteristics:** Round grain, washed  
**Properties:** Complies with EN 12620 aggregate for concrete, natural, frost-resistant, CE marked, lime-free, complies with ÖNORM L 1128 - swimming ponds and natural pools (with low phosphor content - less algae and biofilm growth due to nutrient limitation).

4 – 8 mm	Big bag	1000 kg	1	1650 kg/m³	90 04179 32009 0
8 – 16 mm	Big bag	1000 kg	1	1650 kg/m³	90 04179 32109 7
16 – 32 mm	PE sack	25 kg	48	1650 kg/m³	90 04179 32206 3
16 – 32 mm	Big bag	1000 kg	1	1650 kg/m³	90 04179 32209 4
16 – 32 mm	Bulk	1000 kg		1650 kg/m³	90 04179 32200 1
32 – 50 mm	Big bag	1000 kg	1	1600 kg/m³	90 04179 32409 8







## Roof gravel

Flat roof gravelling, eave gravelling, pond construction.

**Colour:** Colourful

**Stone:** Quartz

**Characteristics:** Round, double-washed

**Properties:** No fine sand or fine grains, natural, frost-resistant, CE-marked, chalk-free, corresponds with ÖNORM L 1128 standards for the construction of swimming ponds and natural pools (low phosphor content, low algae and biofilm growth due to nutrient limitation).

16 – 32 mm	Big bag	1000 kg	1	1650 kg/m³	90 04179 32229 2
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## Broken gravel

Shoulder material in road construction. Waterbound pavements for paths.

**Colour:** Blue Grey

**Stone:** Limestone

**Characteristics:** Crushed

**Properties:** Natural, frost-resistant.

0 – 15 mm	Big bag	1000 kg	1	1800 kg/m³	90 04179 33019 8
0 – 15 mm	Bulk	1000 kg		1800 kg/m³	90 04179 33010 5



## Broken gravel

**0 – 32 mm:** Upper unbound base layer in road and path construction. Trench filling material.

**0 – 63 mm:** Frost-protection layer and subgrade in road and path construction.

**20 – 40 mm:** Drainage gravel. Backfilling of building foundations and cellars. Aggregate layer under foundation slabs.

**40 – 70 mm:** Aggregate layer under foundation slabs. Backfilling of gabion retaining walls.

**Colour:** Beige

**Stone:** Quarzite

**Characteristics:** Crushed

**Properties:** It complies with EN 13242 Aggregates for unbound and hydraulically bound mixtures for civil engineering work and road construction, natural, frost-resistant, lime-free.

0 – 32 mm	Big bag	1000 kg	1	1800 kg/m³	90 04179 33119 5
0 – 63 mm	Big bag	1000 kg	1	1800 kg/m³	90 04179 33319 9
20 – 40 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 33619 0
40 – 70 mm	Big bag	1000 kg	1	1500 kg/m³	90 04179 34019 7



## Grit

Surface treatment of metal, concrete, wood and glass: Cleaning, rust removal, paint stripping, grinding, preparing for gluing or coating, concrete repair.

**Colour:** Grey

**Characteristics:** Blast furnace slag, fire-dried, dusted

**Properties:** Synthetic, mineral disposable blasting material, 6-7 thickness of the Mohs scale of hardness, sharp-edged, free of silicic acid <1% (no danger of silicosis, complies with the protection of employees regulation).

**Storage:** Store opened pallets in a cool dry place.

0,2 – 0,5 mm	PE sack	25 kg	48	1100 kg/m³	90 04179 16036 8
0,5 – 1 mm	PE sack	25 kg	48	1100 kg/m³	90 04179 16536 3
0,5 – 2 mm	PE sack	25 kg	48	1100 kg/m³	90 04179 16636 0
1 – 2 mm	PE sack	25 kg	48	1100 kg/m³	90 04179 16736 7







# WATER-BOUND SURFACES

NEW



Natural, unsealed surfaces for footpaths, cycling paths, market places, tree grates, garden paths or boules courts.

## Areas of use

- Parks
- Green spaces
- Historical settings
- Company premises
- Private gardens
- Driveways
- Beer gardens
- School playgrounds
- Sports venues



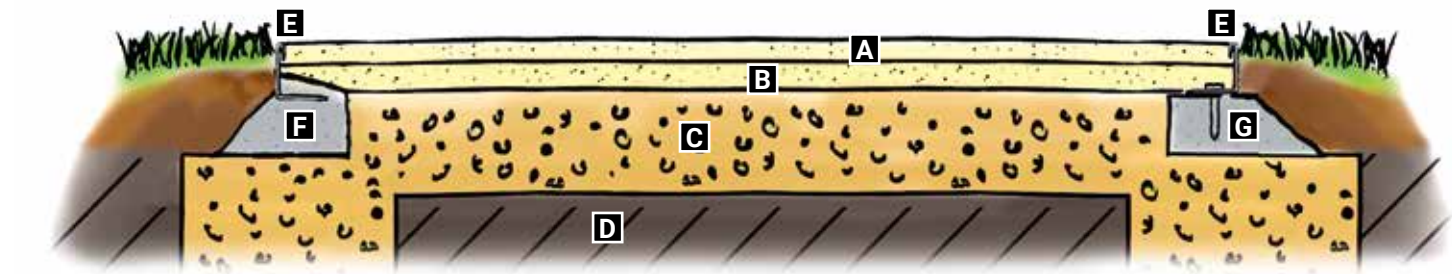
## Characteristics/description

- Complies with FLL's 2007 technical report on planning, construction and the maintenance of water-bound surfaces
- Perfect grading curve
- Doesn't contain any hydraulic, bituminous or organic binders, or any plastics
- Homogeneous, moist from soil and therefore ready-to-use mix
- Kind to joints and comfortable to walk on
- Less urban overheating than with asphalt
- No soil sealing
- Water storage capacity and continuous feed back of water during dry periods, thus improvement of micro-climate near to the surface and drainage system also relieved
- Different colours give creative freedom

### Dynamic layer:

- Same stone if top layer suffers wear and tear
- Gravel size transition from the base layer to the top layer
- Stores water and distributes it during dry periods
- Increases resilience
- Improves filter stability





## Construction

- A** 4 cm top layer
- B** 6-8 cm dynamic layer
- C** ≥ 12 cm loose base layer, e.g. 0-32 mm SCHERF broken gravel
- D** Construction ground
- E** Bordering, e.g. SCHERF 'Alu-Heavy' or 'CorTen-Heavy' grass border (12 cm high)
- F** Screed or grit concrete foundation
- G** Grit concrete foundation

Detailed instructions can be found at [www.scherf.at](http://www.scherf.at) under the menu item "Downloads".



## Top layer

Characteristics: High-grade crushed aggregate

Colour	Size/grain	Packaging	Unit	Units /pallet	Bulk density	EAN code	Installation thickness in mm	kg/ m² approx.
Chateau beige	0 – 5 mm	Big-Bag	1000 kg	1	1450 kg/m³	90 04179 04109 4	40	77
Gold ochre	0 – 5 mm	Big-Bag	1000 kg	1	1450 kg/m³	90 04179 04119 3	40	77
Danube blue	0 – 5 mm	Big-Bag	1000 kg	1	1450 kg/m³	90 04179 04129 2	40	77
Silver grey	0 – 5 mm	Big-Bag	1000 kg	1	1450 kg/m³	90 04179 04139 1	40	77
Mouse grey	0 – 5 mm	Big-Bag	1000 kg	1	1450 kg/m³	90 04179 04149 0	40	77



## Dynamic layer

Characteristics: Crushed aggregate

Colour	Size/grain	Packaging	Unit	Units /pallet	Bulk density	EAN code	Installation thickness in mm	kg/ m² approx.
Chateau beige	0 – 11 mm	Big-Bag	1000 kg	1	1350 kg/m³	90 04179 04409 5	70	125
Gold ochre	0 – 11 mm	Big-Bag	1000 kg	1	1350 kg/m³	90 04179 04419 4	70	125
Danube blue	0 – 11 mm	Big-Bag	1000 kg	1	1350 kg/m³	90 04179 04429 3	70	125
Silver grey	0 – 11 mm	Big-Bag	1000 kg	1	1350 kg/m³	90 04179 04439 2	70	125
Mouse grey	0 – 11 mm	Big-Bag	1000 kg	1	1350 kg/m³	90 04179 04449 1	70	125











# ACCESSORIES

LAWN EDGES | NONWOVEN FABRICS | STABILISATION PLATE



# LAWN EDGES



## The variants at a glance

### 'Light' lawn edge

**Application:** For neat separation of differently designed garden surfaces: lawn surfaces, flower islands, gravel and crushed rock surfaces, mulch beds. Lawn edges with a height of 5cm are suitable for grit and gravel stabilisation plates.

**Characteristics:** 0.55 mm steel sheet, galvanised

**Properties:** For light-duty application, rounded exposed edges enable barefoot access, easy to assemble, not resistant to long-term corrosion.

**Preparation:** Excavation of the area to the height of the lawn edge minus 1 cm. Place anti-weed fabric onto the area if necessary. Determine and mark the line layout of the lawn edge. Slide the lawn edges together and anchor into the ground with long nails. Lightly bend, but do not fold, the curved elements before installation. Using pliers, curved elements can be bent to any angle for corner elements. Fill the areas with the desired material, e.g. SCHERF-decorative pebbles or SCHERF-decorative chips. Fill both sides of the lawn edge at the same time if possible.

### 'Alu-Light' lawn edge

**Application:** See 'Light' lawn edge

**Characteristics:** Aluminium, 1.25mm

**Properties:** For light duty application, rounded exposed edges enable barefoot access, easy to assemble, resistant to long-term corrosion.

**Preparation:** See 'Light' lawn edge

### 'Alu-Heavy' lawn edge

**Application:** For neat separation and edging of differently designed surfaces in paving and in the garden: paved surfaces, asphalt surfaces, water-bound pavements, lawn surfaces, flower islands, gravel and grit surfaces, mulched areas. Lawn edges with a height of 5cm are suitable for grit and gravel stabilisation plates.

**Characteristics:** Aluminium, 2mm

**Properties:** For medium to heavy-duty application, rounded exposed edges enable barefoot access, easy to assemble, resistant to long-term corrosion, no concrete works necessary, does not cause adjacent lawn surfaces to die.

**Preparation:** Produce and compress the subsurface according to planned utilisation and requirements. Place anti-weed fabric onto the area if necessary. Determine and mark the line layout of the lawn edge. If necessary, create a thin concrete layer along the pathway of the lawn edge. Slide the lawn edges together and anchor into the ground and/or the thin concrete layer with suitable nails. Lightly bend, but do not fold, the curved elements before installation. Prepare the bedding for the paved area or stabilisation plate for chips and gravel.

### 'CorTen-Heavy' lawn edge

**Application:** See 'Alu-Heavy' lawn edge.

**Characteristics:** CorTen steel, 2mm

**Properties:** For medium to heavy duty application, rounded exposed edges enable barefoot access, easy to assemble, resistant to long-term corrosion, superficial patina, no concrete work necessary, does not cause adjacent lawn surfaces to die.

**Preparation:** See 'Alu-Heavy' lawn edge.

## Sales display

Our practical lawn edges with the simple insert system are now available in a promotional display (60 x 40 cm). The sales stand is also the packaging and does not need to be ordered extra.

Available in Curved and Straight:

'Light' (galvanised, 0.55 mm, L 121 cm, H 8 cm)

Packaging unit: 75 pc

'Alu-Light' (aluminium, 1.25 mm, L 121 cm, H 8 cm)

Packaging unit: 60 pc







## 'Light' straight lawn edge, Grey

For straight alignment.

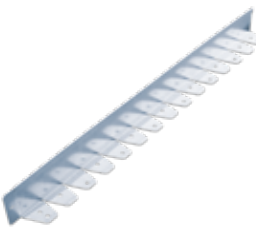
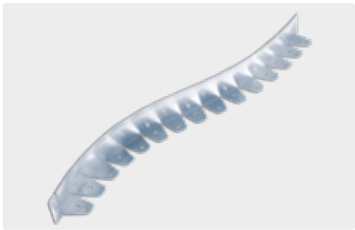
Size	Packaging	Unit	Uniten/pallet	EAN code
L 121 cm x H 5 cm	Pallet	1 pc. (0,7 kg)	1	90 04179 81002 7
L 121 cm x H 8 cm	Pallet	1 pc. (1,0 kg)	75	90 04179 81004 1



## 'Light' curved lawn edge, Grey

For curved alignment.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 121 cm x H 5 cm	Pallet	1 pc. (0,5 kg)	1	90 04179 81012 6
L 121 cm x H 8 cm	Pallet	1 pc. (1,0 kg)	75	90 04179 81014 0



## 'Alu-Light' straight lawn edge, Grey

For straight alignment.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 121 cm x H 5 cm	Pallet	1 pc. (0,5 kg)	1	90 04179 81072 0
L 121 cm x H 8 cm	Pallet	1 pc. (0,7 kg)	60	90 04179 81074 4







## 'Alu-Light' curved lawn edge, Grey

For curved alignment.

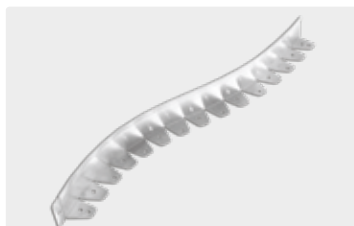
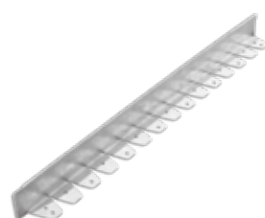
Size	Packaging	Unit	Uniten/pallet	EAN code
L 121 cm x H 5 cm	Pallet	1 pc. (0,5 kg)	1	90 04179 81082 9
L 121 cm x H 8 cm	Pallet	1 pc. (0,7 kg)	60	90 04179 81084 3



## 'Alu-Heavy' straight lawn edge, Grey

For straight alignment.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 196 cm x H 5 cm	Pallet	1 pc. (1,4 kg)	1	90 04179 81142 0
L 196 cm x H 10 cm	Pallet	1 pc. (2,3 kg)	1	90 04179 81145 1
L 196 cm x H 12 cm	Pallet	1 pc. (2,4 kg)	1	90 04179 81146 8



## 'Alu-Heavy' curved lawn edge, Grey

For curved alignment.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 196 cm x H 5 cm	Pallet	1 pc. (1,4 kg)	1	90 04179 81152 9
L 196 cm x H 10 cm	Pallet	1 pc. (2,3 kg)	1	90 04179 81155 0
L 196 cm x H 12 cm	Pallet	1 pc. (2,4 kg)	1	90 04179 81156 7



## 'Alu-Heavy' lawn edge corner, Grey

For 45 and 90 degree internal and external corners.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 32 cm x H 5 cm	Pallet	1 pc. (0,2 kg)	1	90 04179 81162 8
L 32 cm x H 10 cm	Pallet	1 pc. (0,3 kg)	1	90 04179 81165 9
L 32 cm x H 12 cm	Pallet	1 pc. (0,4 kg)	1	90 04179 81166 6





## 'CorTen-Heavy' straight lawn edge, Rust-brown

For straight alignment. Patina after approx. 2 weeks in the open.

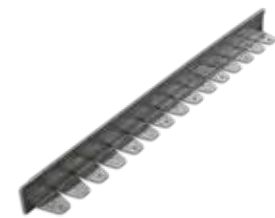
Size	Packaging	Unit	Uniten/pallet	EAN code
L 196 cm x H 5 cm	Pallet	1 pc. (4,2 kg)	1	90 04179 81212 0
L 196 cm x H 10 cm	Pallet	1 pc. (6,4 kg)	1	90 04179 81215 1
L 196 cm x H 12 cm	Pallet	1 pc. (7,0 kg)	1	90 04179 81216 8



## 'CorTen-Heavy' curved lawn edge, Rust-brown

For curved alignment.

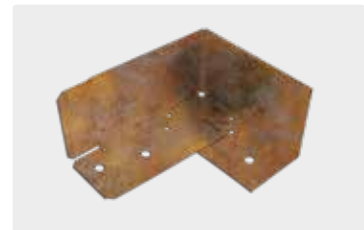
Size	Packaging	Unit	Uniten/pallet	EAN code
L 196 cm x H 5 cm	Pallet	1 pc. (4,2 kg)	1	90 04179 81222 9
L 196 cm x H 10 cm	Pallet	1 pc. (6,4 kg)	1	90 04179 81225 0
L 196 cm x H 12 cm	Pallet	1 pc. (7,0 kg)	1	90 04179 81226 7



## 'CorTen-Heavy' lawn edge corners, Rust-brown

For 45 and 90 degree internal and external corners.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 32 cm x H 5 cm	Pallet	1 pc. (0,7 kg)	1	90 04179 81232 8
L 32 cm x H 10 cm	Pallet	1 pc. (1,1 kg)	1	90 04179 81235 9
L 32 cm x H 12 cm	Pallet	1 pc. (1,2 kg)	1	90 04179 81236 6



## 'Alu' straight mowing edge, Grey

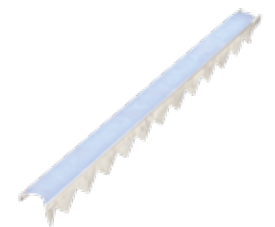
Elegant finish for low-maintenance lawn surfaces.

**Characteristics:** Aluminium, 1.5 mm

**Properties:** For straight alignment, rounded edges enable barefoot access, easy to assemble, resistant to long-term corrosion.

**Preparation:** Secure and mark the mowing edge alignment. Simply press the mowing edge into the soil.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 100 cm x W 7 cm	Pallet	1 pc. (0,5 kg)	1	90 04179 81310 3



## 'Alu' curved mowing edge, Grey

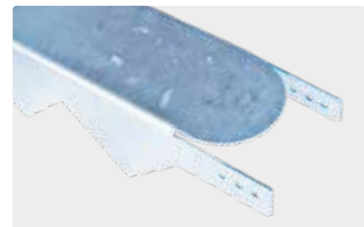
Elegant finish for low-maintenance lawn surfaces.

**Characteristics:** Aluminium, 1.5 mm

**Properties:** For curved alignment, rounded edges enable barefoot access, easy to assemble, resistant to long-term corrosion.

**Preparation:** See 'Alu' straight mowing edge.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 20 cm x W 7 cm	Pallet	1 pc. (0,1 kg)	1	90 04179 81311 0





# NONWOVEN FABRICS



## 'WeedControl' anti-weed fabric, Black

Anti-weed fabric for grit and gravel surfaces and garden beds.  
**Characteristics:** PP non-woven fabric, 100g/square metre  
**Properties:** Prevents weeds from protruding, permeable to water and air, easy to lay, UV stable, opaque.  
**Preparation:** Remove weeds, roots and stones and then level out the ground. Roll out the anti-weed fabric and secure it in place with stones or pegs - if several lengths are being used, overlap them by 20cm. Mark the positions of the plants with an X and cut an „X” shape for the plant roots in the fabric. Lay the points back, dig the planting hole, place the plants and lay the fabric points back over the plants. Slits should also be cut for perennial flower bulbs. Clean soil remnants and dust off the anti-weed fabric and cover the surface with enough SCHERF decorative gravel or decorative crushed rock/mulch.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 15 x W 1 m	Roll	1 pc. (1,5 kg)	28	57 09198 00281 4
L 25 x W 1 m	Roll	1 pc. (2,5 kg)	18	57 09198 00066 7



## 'Premium' anti-weed fabric, Black

Anti-weed fabric for gravel surfaces, garden beds, playgrounds, green road islands, roundabouts, parking facilities and under wooden terraces.  
**Characteristics:** PP fabric, 120g/square metre  
**Properties:** Prevents weeds from protruding, permeable to water and air, easy to lay, UV stable, opaque, biologically resistant, resistant to fungus and rotting.  
**Preparation:** See 'WeedControl' anti-weed fabric, Black


Size	Packaging	Unit	Uniten/pallet	EAN code
L 25 x W 1 m	Roll	1 pc. (3,0 kg)	50	57 09198 00201 2
L 50 x W 2 m	Roll	1 pc. (12,0 kg)	25	57 09198 00205 0



## 'Premium Plus' anti-weed fabric, Black

Anti-weed fabric for gravel surfaces, garden beds, playgrounds, green road islands, roundabouts, parking facilities and under wooden terraces.  
**Characteristics:** PE fabric, 150g/square metre  
**Properties:** Prevents weeds from protruding, permeable to water and air, easy to lay, UV stable, opaque, biologically resistant, resistant to fungus and rotting.  
**Preparation:** See „WeedControl” anti-weed fabric, Black.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 25 x W 1 m	Roll	1 pc. (3,8 kg)	50	57 09198 00202 9

 In cases of weeds with aggressive root growth, such as couch grass and horsetail, individual roots may appear. If the top layer is insufficient or wrong, flying seeds could take root above the fabric.







## 'Root Seal' root inhibitor, Green

Protects from damage occurring due to the spread of roots. Vertical separation for pathways, terraces, garden ponds, channelisations etc.

**Composition:** PP fabric, 250g/square metre

**Properties:** Robust, flexible, environmentally friendly, biologically resistant.

**Preparation:** After digging the planting hole, cut the fabric to the necessary size. Fit the fabric vertically around the edges of the planting hole and ensure that it touches the soil. Turn the material ends inside out and slide them against each other. Plant the tree, shrub or bush in the hole and fill it with earth. The root inhibitor can also be used as a border for existing plants.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 50 x W 1 m	Roll	1 pc. (12,5 kg)	1	57 09198 00048 3

 The spreading of all roots cannot be completely prevented, but it will be significantly reduced.



## 'Sandbox' sandpit fabric, Grey

Separating fabric between sand and earth in sandpits. Protects sand from contamination.

**Characteristics:** PP fabric, 100g/square metre

**Properties:** Permeable to water, easy to use, makes play sand replacement easy, sizes fit standard sandpits.

**Preparation:** Construct the sandpit. Lay the fabric inside the sandpit. Before assembly of the edge covers fix the sandpit fabric to the side compartments. Fill the sandpit with SCHERF Play sand.

Size	Packaging	Unit	Uniten/pallet	EAN code
L 170 x W 170 cm	PE-Bag	1 pc. (0,3 kg)	25	57 09198 00108 4





# STABILISATION

For grit and gravel



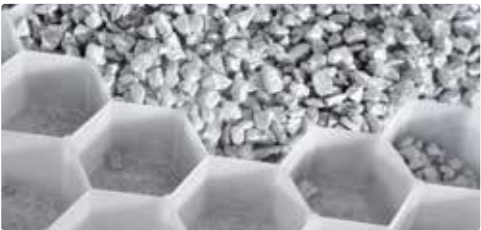
## Stabilisation plate for grit and gravel, White

For stabilising grit and gravel on driveways, parking spaces, garden paths, guest gardens, attic gardens and embankments. No material displacement - accessibility with good grip and practical for cars and bicycles.

**Characteristics:** HDPE honeycomb grid, geotextile nonwoven fabric

**Properties:** UV and frost resistant, breaking load of 400 tonnes/square metre, 100 % permeable to water - slopes or water removal devices are not necessary, reduced weed growth due to thermally glued geotextile base (50 g/square metre), strengthened net corners, plate can be folded and is easy to transport, very easy to lay due to large plate dimension, no base at frost line is necessary.

**Preparation:** Lay the base (SCHERF Broken gravel, 0.32 mm thickness, layer thickness according to the existing floor and planned load: min. 25 cm for cars, min. 10 cm for use as a footpath). Lay the surface edges (SCHERF lawn edges, concrete or natural stone) - the edge height should be around 2-3 cm higher than the upper edge of the grid. Set the bedding with SCHERF paving chippings with a 2-4 mm thickness (3-6cm layer thickness. Lay the stabilisation plate on the bedding in a stretcher bond and overlap the geotextile. Cuttings should be prepared using a cutting disk. Fill the surface with grit or gravel (permissible grain sizes are a minimum of 4 mm and a maximum of 16 mm, with a requirement of around 60 kg/square metre). Overfill the surface by 2 cm. After a few weeks, test the excess for settling - the plates must always be covered with material.



Size	Packaging	Unit	Uniten/pallet	EAN code
L 160 x W 120 x H 3 cm	Pallet	1 pc. (2,5 kg)	17	42 60073 47207 4









# PACKAGING

## PE sack

We use white or transparent PE-sack depending on the product. The bags are delivered on EURO pallets (80 x 120 cm) or one-way half pallets (60 x 80 cm). We ensure that only undamaged pallets are used (no missing parts and no protruding nails). The prepared pallets are equipped with a stretch film to ensure safe transportation and protection against the weather.

### The benefits

- No material loss
- Simple transportation in the car
- Small volumes for small projects
- Exact batches of mixtures
- Easy to handle
- No dirt and debris on the streets, footpaths and squares
- Bags are printed over with clear lacquer – the printed colour does not stain your hands and clothing



### The benefits of the 10 kg bag

- It has a practical handle
- Delivery is made on space-saving one-way half pallets (60 x 80 cm)
- Light bag, advantageous for women and older people
- Ideal for slightly longer footpaths (e.g. at the cemetery)
- Simple loading and unloading of the car
- Small volumes for small projects (flower pot cover, etc.)



## Tandem-Bags

Our big quantity packs:

**21 Sacks, each 47.62 kg = 1000 kg**

Ideal for delivery by lorries with lifting platforms

**9 Sacks, each 47.62 kg = 428 kg**

The ideal quantity for lightweight car trailers.

Practical packaging for bigger quantities. Large PE-sacks that are delivered on pallets. The sacks can be carried by 2 people or transported with a wheel barrow.



### The benefits

- The goods are brought quickly and cleanly to the premises.
- No more laborious removal of goods from the Big-Bag.
- Less packaging material than the 25 kg sack.
- Easy unloading of the trailer.
- The customer can take the delivery away themselves. This is not possible with the Big-Bag.

## Big bag

A Big-Bag is one tonne bulk packaging that is provided free of charge. It is a large disposable bag made of polypropylene which is open at the top. They are delivered on EURO pallets. Big-Bags are designed to be transported with lorry loading cranes and can also be parked at difficult to reach places or emptied (over fences, on roofs or in urban areas). The two side panels of our Big-Bags are made from transparent woven polypropylene fabric so that our product quality is recognisable in the entire bag.

### The benefits

- It can be reused, e.g. as a collection container for construction waste
- No material loss
- Simultaneous delivery of different construction materials without mixing them up
- Two means of emptying (complete emptying through the outlet connections or removing material from the top)
- Material is protected against contamination
- No littering of roads, pavements and squares
- Simple removal of residues



## Mesh basket

A mesh basket is disposable packaging for stones ranging from 100 to 400 mm and consists of a wooden pallet and galvanised wire mesh. The filling volume amounts to 0.5 m³. Mesh baskets are used as transport packaging and enables the product to be openly displayed at the „point of sale“.

### The benefits

- Good presentation of products
- The customer chooses the stones he/she particularly likes
- Two versions of the product are available: Unit sales and sales by weight (set of scales required)
- Robust mesh



## Bulk

Unpackaged materials are delivered directly to the construction area or to the warehouse with a tipper lorry and tipped. The selection of the right lorries is dependent on the volume of material required and the conditions on site. Dry sand can also be delivered in silo lorries. In some regions, we also offer to transport bulk materials with a crane grab lorry.

### The benefits

- No packaging waste
- Low-cost version, primarily for large volumes











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