

MORPHO BY TOMORROWLAND

Care & Maintenance



Atelier Vierkant makes handmade, Belgian products out of clay.
We recommend you to carefully observe the instructions for use and maintenance.



Planters and Frost

The porosity of our planters is approximately 3%.

As a result, the planter absorbs as good as no moisture, making it frost-resistant.

However, in addition to this, it is important to ensure that no ice can form around the root ball of the plant so that it cannot put pressure on the inner walls.

A good flow of water is essential and is achieved in the following way:



Drainage holes

We drill a hole in the centre of the planter. The standard size of a drainage hole is 28 mm (1). This can vary from one planter to another and depends on the size of the bottom of the planter. Multiple holes of different sizes are possible when, for example, the planter is fitted with an electrical cable or water inlet and outlet. These extra holes are available on request.

The following diameters are available: 8-12-28-45-50-81-101 mm.

Rubber feet

The standard feet have a diameter of 4 cm and a thickness of 1 cm.
The round planters are supplied with three feet, and the square and rectangular planters are supplied with four feet (2).

We also supply large, square rubber feet for large pots.
They are 12 cm by 12 cm.

Planting

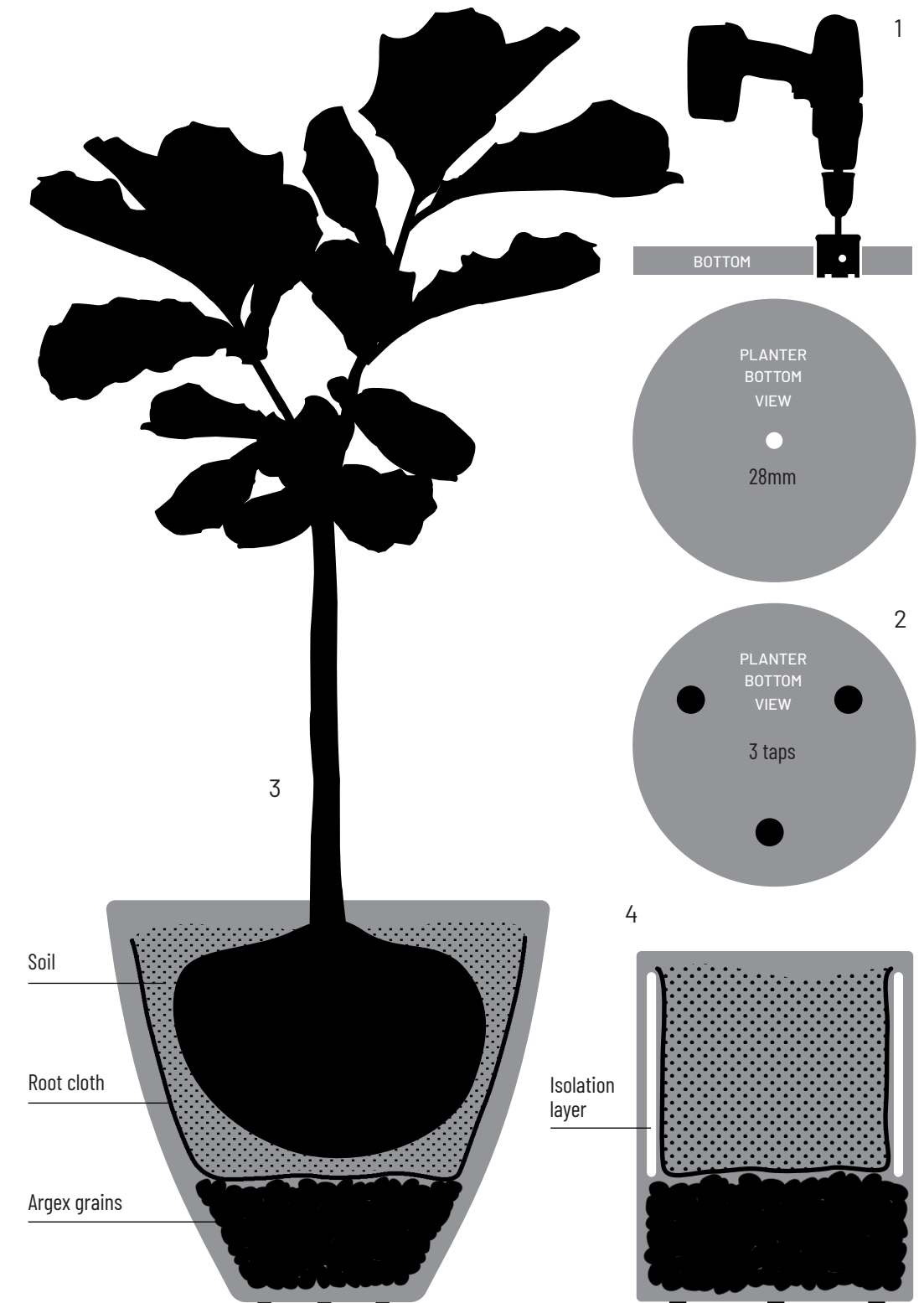
The planter is partially filled with Argex pellets. A root-proof membrane is placed on top to separate the soil from the Argex pellets. This prevents the soil from seeping among the Argex pellets. On top of that are added soil and the root ball of the plant. In this way, water can easily flow through (3).

This is a general approach to planting for illustrative purposes. Planting always depends on various factors, including the type of plant, the size of the root ball, etc.

Note:

Straight (e.g. BRL and B) and closed models (e.g. OF and OD, where the belly diameter is larger than the opening diameter) require extra attention. Within these planters, polystyrene foam or other insulating material can be used between the wall of the planter and the soil. The insulating material then serves as an insulation

layer to reduce lateral pressure on the inner walls. That way, the soil gets some more space inside the pot to move around. This is not necessary for conical models (e.g. A), as the soil can move upwards along the sides of the pot when ice forms (4).



Interior Planters

Water capture

Saucers

We can insert a drainage hole in the bottom of the planter when excessive water needs to flow away. In this case, you can opt for additional saucers (2) to capture the drainage water. The saucers are available in different sizes.

The saucers we offer are made from stainless steel with a top coating in matching colours. The colour is not 100% the same due to the different material used. The saucers are available in our nine different clay body colours. Due to technical limits and weight restrictions, the size of the plates is limited to a maximum diameter of 60 cm/23.6" or 60 x 60 cm/23.6 x 23.6". We count around 5 cm/2" on each side of the base of the planter for the diameter of the saucer. Pictures are available on request.

Polyester coating

When there is no need for water capture, you can opt for a planter without a drainage hole. The planters still have a porosity grade of 3%. By treating the planters with an extra layer of polyester on the inside, the container becomes 100% waterproof. This treatment is recommended for indoor use of the planters and is available on request for all items (1).

Floor protection

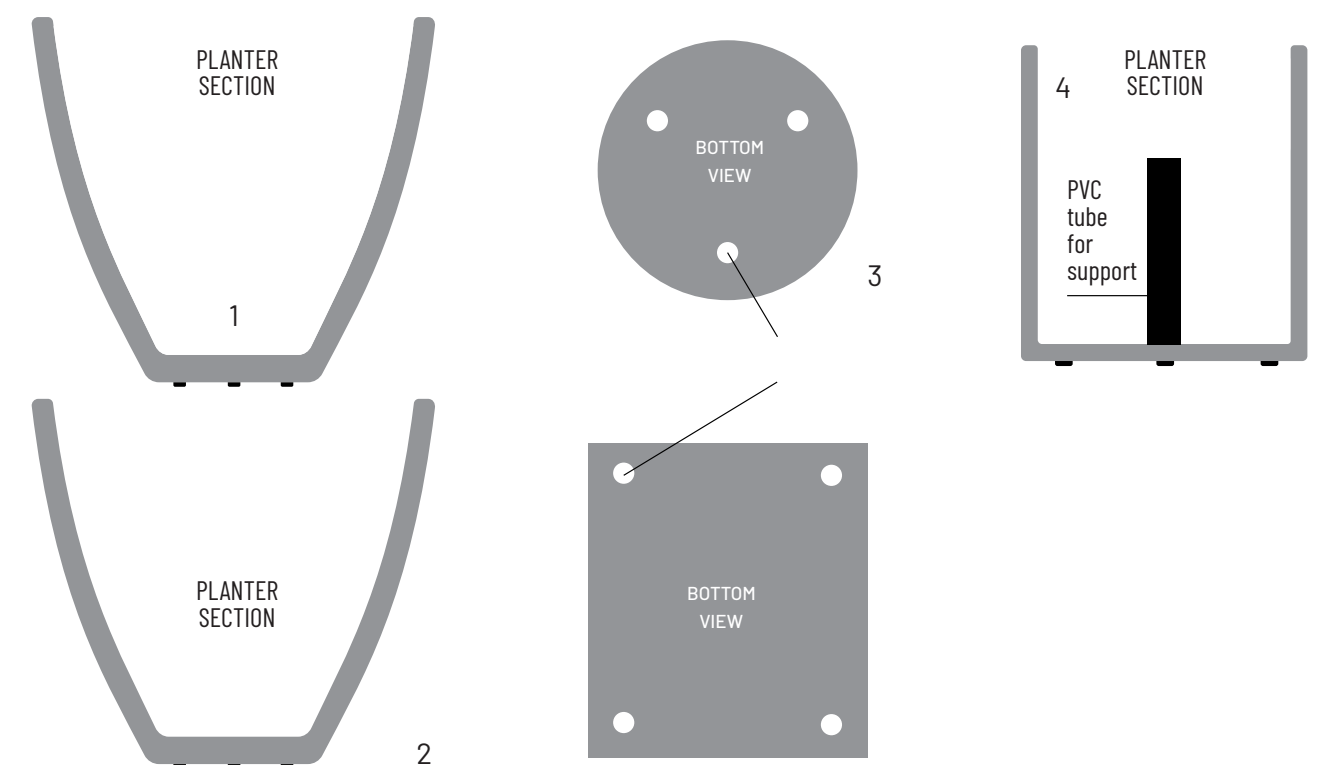
Felt feet

We deliver soft felt feet (3) with planters used indoors. In this way the planters do not touch and damage the floor. We kindly ask you to mention the indoor purpose to make sure the right feet are delivered. The round planters come with three felt feet and the square and rectangular planters come with four felt feet.

Planting

Polyester inserts

Various polyester inserts are available for different models (4). They are fixed at 2 cm below the upper rim of the planters by means of a PVC pipe cut off at the required height. They can be used in the following models, as indicated in the main catalogue: AH90, AHE90, B5050, BC50, BCH90, BG5050, BG40120, BM40120, BM50100, BR80, BR100, BR120, BT-series, BTE-series, BZ-series, CL60, L1 and L2 series, M80, MHR100, MHR120, MR80, MRR80, MU-series and MUR-series.



Maintenance

General

We suggest using a high-pressure cleaner for any kind of dirt on the planter. Never scrub the body of the planter directly.

The clay is coloured with natural oxides all the way through the body and fired at a temperature of approx. 1200°C. The colours obtained by this production process do not fade or deteriorate under the influence of the sun.

Anti-Green

The following products receive a standard treatment with an invisible liquid and mat silicone B-Artisil: KE, KR, KD, KL, KKA, KKB, KKC, LC. Other products can have a treatment on request.

We suggest treating the products every two years with an anti-green product. The product can be applied with a soft brush.

Rubber Wheels

We offer the possibility of integrating hard rubber wheels in the bottom of the planter. The wheels are fixed to an aluminium capsule and inserted by means of a drilled hole in the bottom of the planter. The integration of the wheels is only possible in a straight surface. It enables the customer to place and move the often heavily loaded planter with ease.

The insertion of the wheels is possible in various types of planters, although a minimum bottom diameter of width 35-40 cm / 13.7-15.7" is required.

The planter is lifted by less than 1 cm by the wheels and the latter are therefore not visible.

Prices and pictures on request.

Note:

There are no brakes on the wheels.

Furthermore, the tall and narrow models need special attention regarding their stability when wheels are installed.

Technical data:

- Wheel diameter: 35 mm
- Width of tread: 25 mm
- Threaded stem: 10 x 20 mm
- Offset: 13.5 mm
- Swivel interference: 62 mm
- Overall height: 58 mm
- Temperature: -20 to +60°C
- Standard: EN 12530
- Weight: 0.243 kg
- Swivel radius: 31 mm
- Hardness of tread: Shore D 42
- Load capacity: 100 kg
- Load capacity (static): 200 kg

Fixing a planter to the floor

In this sheet we show a way in which a planter can be fixed to the floor.

1. Drill holes in the different layers for fixing. In preparation for fixing, three holes are made in the stainless steel plate, the base of the planter and the ground. The holes are located in the same place in a triangular composition in the three different layers.

2. Drill drainage holes and install rubber feet to allow a good flow of water.

Drainage hole is drilled centrally in the stainless steel plate and the base of the planter. The planter itself is raised by rubber steps. This allows a good flow of water.

Note for steps 1 and 2: the holes in the base of the planter can always be made on request and are available in different sizes.

3. Insert a plug into the floor in which the screw can be tightened.

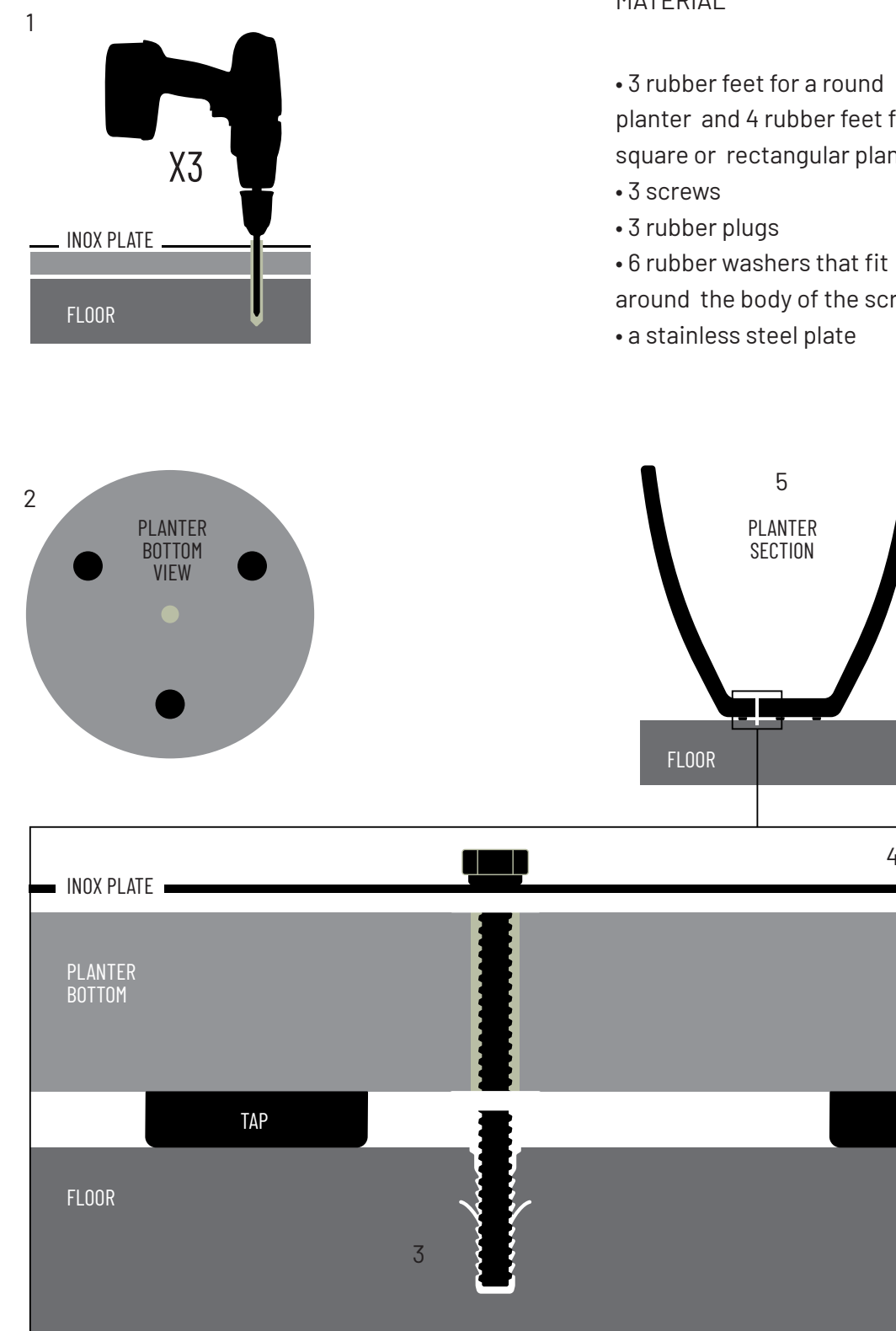
4. Tighten the screw securely through the base of the planter.
The screw passes through the following layers: the stainless steel plate, the first rubber washer, the base of the planter, the second rubber washer and the plug in the floor.

4. The rubber washers serve as a buffer and are used to prevent direct contact between the metal and the clay. In addition, the stainless steel plate is used to spread the pressure of the three screws over the base of the planter.

5. The planter is fixed to the floor.

MATERIAL

- 3 rubber feet for a round planter and 4 rubber feet for a square or rectangular planter
- 3 screws
- 3 rubber plugs
- 6 rubber washers that fit around the body of the screw
- a stainless steel plate



Fixing pebbles to the floor

1. Cut a notch in the underside of the pebble.
The notch has a length of about 7 cm and a thickness of about 2 cm.
2. Fixing the threaded rod in the ground.
The upper part of the threaded rod is bent at an angle of 90 degrees.

We slide a piece of plastic over the top part of the threaded rod. This serves primarily to show the depth to which the threaded rod must be knocked into the ground. It also serves as a buffer when the clay comes into contact with the metal.

It is important that the threaded rod is knocked into the floor in the correct position as this will determine the direction of the pebble's position.

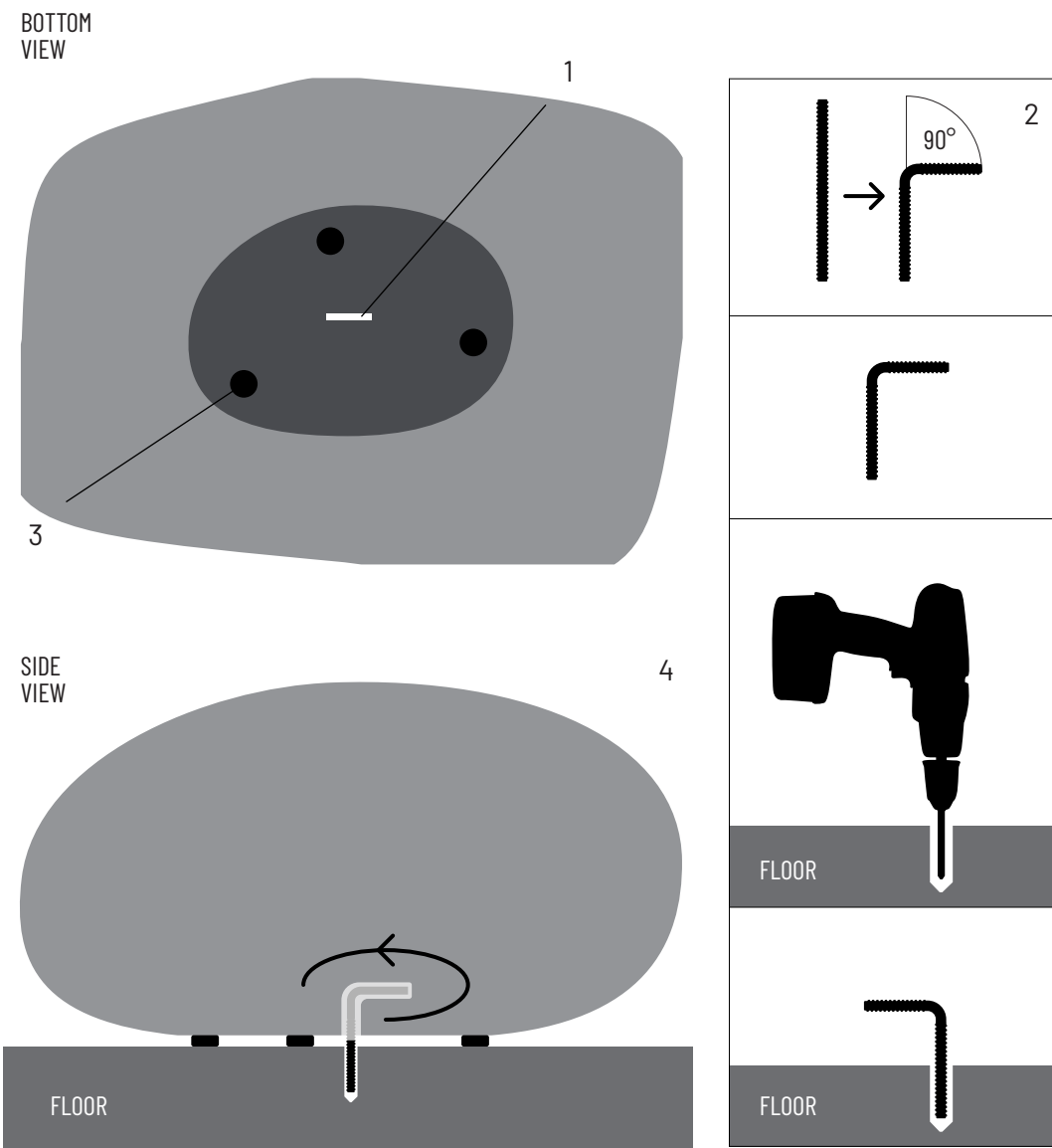
To knock the threaded rod into the floor, a hole is made in the floor. In that hole, two components for the chemical anchoring are installed, after which the threaded rod can be fixed into it.

3. Attach three rubber feet to the base of the pebble in this way, you can stabilise the boulder and lift it slightly off the ground.
4. The pebble is slid over the threaded rod. The pebble is slid over the threaded rod. Once the threaded rod is inside the pebble, the pebble is turned to the correct position.

The pebble is fixed in the ground.

For your information: Atelier Vierkant can carry out all the technical steps discussed and deliver the material. Only the drilling in the ground, the fixing of the threaded rod in the ground and installation are carried out on site.

Prices on request.



MATERIAL

- Threaded rod
- 3 rubber feet
- Protection around the threaded rod - plastic
- 2 components for the chemical anchoring

Warranty

General

All Atelier Vierkant products are hand-crafted. Colours and characteristics can vary. Roughness, surface cracks, indentations, etc. are typically part of the design and are not defects. These aspects enhance the character of the products.

Atelier Vierkant products are warranted to be free from defects in materials and workmanship to the original purchaser for a period of 2 years from the date of purchase for residential applications and 1 year for commercial applications.

This warranty does not apply to any item which has been damaged by freight or accident or which has been misused, altered or repaired without Atelier Vierkant's authorisation and instructions.

Atelier Vierkant is not liable for costs incurred in installation and/or reinstallation, loss of use, time, inconvenience, packing, travel, or other consequential or incidental damages. No returns shall be accepted without written return authorisation from Atelier Vierkant.

Maintenance

Products must be maintained in accordance with Atelier Vierkant guidelines or the warranty shall become null and void.

For any kind of soil on the planter, you can use a high-pressure cleaner. Never scrub the planter directly. Furthermore, you can treat the outside of the planter with an anti-green product (B-artisil) every two years.

We refer to our 'maintenance' document for complete information.

Transport

Atelier Vierkant always delivers the goods on the street side to a commercial address where the goods can easily be loaded in and out. The project manager must be present to receive the items and to check for damage.

Do not sign the delivery note without checking the state of the goods upon delivery. Atelier Vierkant cannot be held liable if any damage is not listed on the transport documents.

In case of damage, mention 'broken pots' —nothing else and nothing more— on the transport document with your signature. In any case, do not let the driver sign in your place.

Atelier Vierkant does not perform any installations itself.

There are no warranties which extend beyond the description on the face here of.

Frost

Our planters are frost-resistant thanks to their low porosity grade. The moisture will not be absorbed into the body of the planter.

It must be possible for the water to flow away easily to be sure there is no ice formation possible within the planter. In this way the ice cannot put pressure on the inside of the planter.

Straight and closed forms need attention when ice formation within the planter takes place. An additional layer between the clay and soil as an insulation layer is required. In this way the soil has additional space to move inside the planter. We refer to our planters and frost documentation for complete information.

Contact

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www.morpho.world

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