



# VIOWALL

Installation manual

## Caution!

VIOWALL foam glass cushions are made of fragile materials. Never bring the foam glass cushions into contact with sharp objects, removed stones or similar objects in the ground!

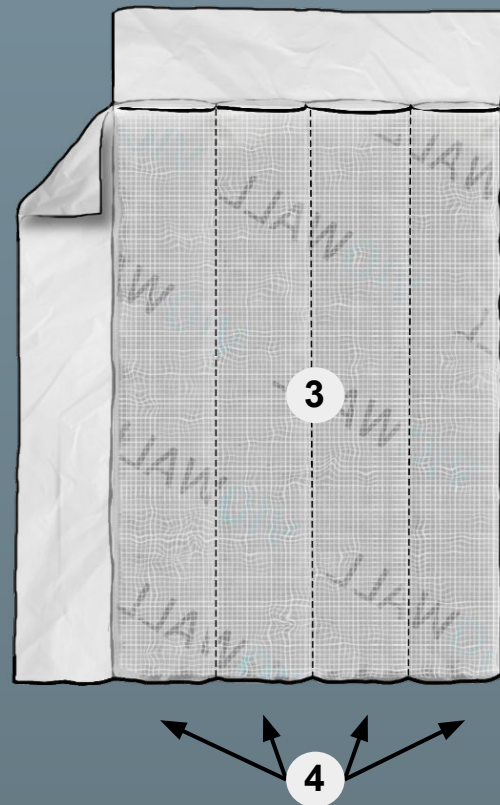
## The VIOWALL foam glass cushion

- 1 Locking sash
- 2 Side sashes
- 3 Grid
- 4 Chambers

Rear side  
later orientated towards the ground



Front side  
later orientated towards the house wall

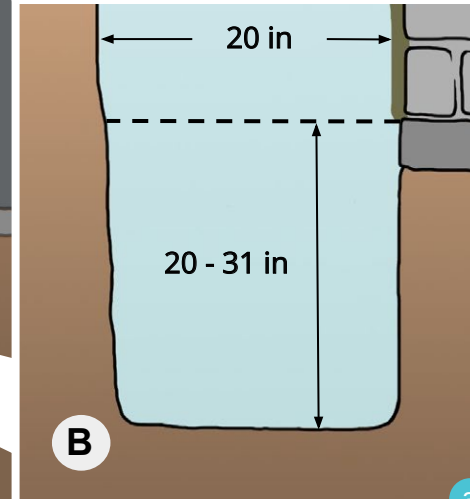
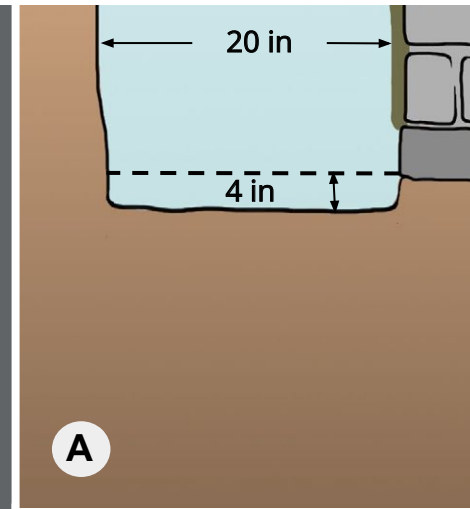
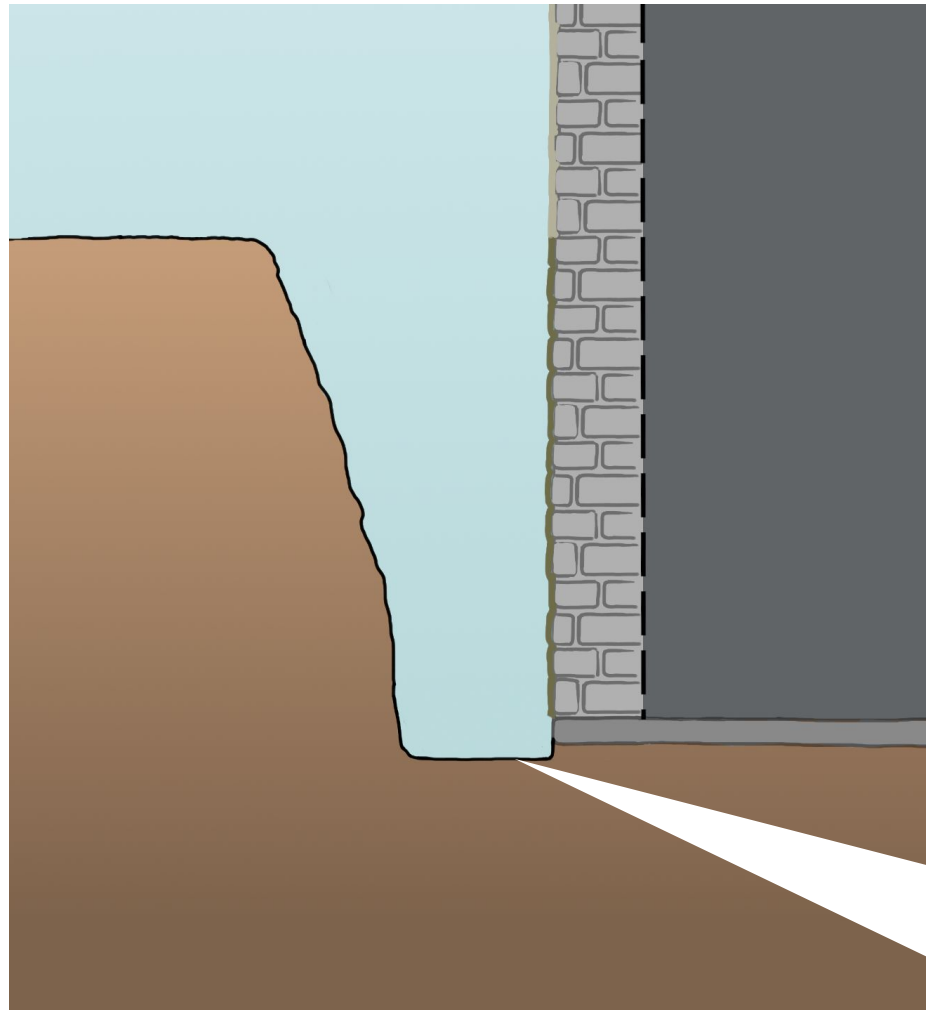


## Exposing the foundation walls

First, the foundation walls are exposed. This can be done by hand or with an excavator.

**(A)** The shaft must be excavated at least 20 inches wide and 4 inches deeper than the floor slab/foundation. The bottom of the shaft should be as straight and level as possible so that the foam glass cushions do not jam together later.

**(B) Optional:**  
In the event of high water pressure, the shaft is excavated 20 - 31 inches deeper to stop the flow of water.



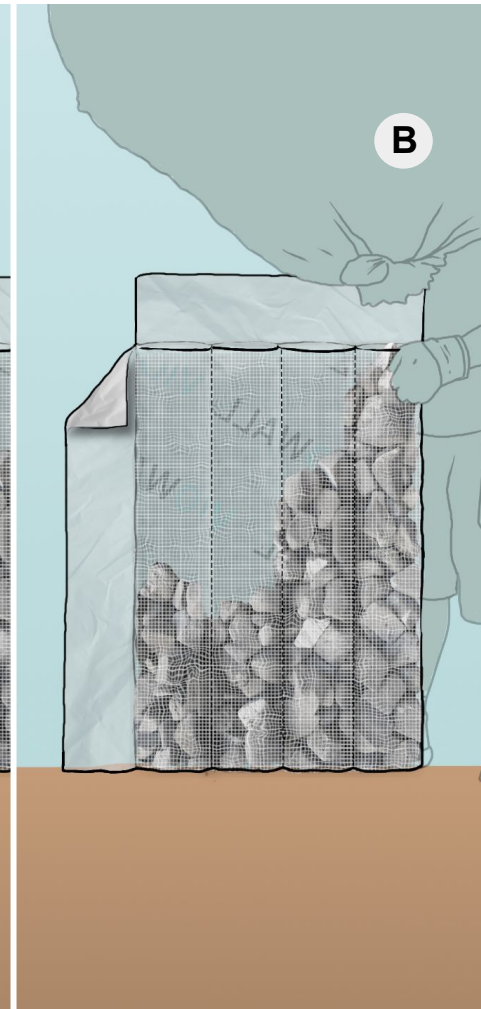
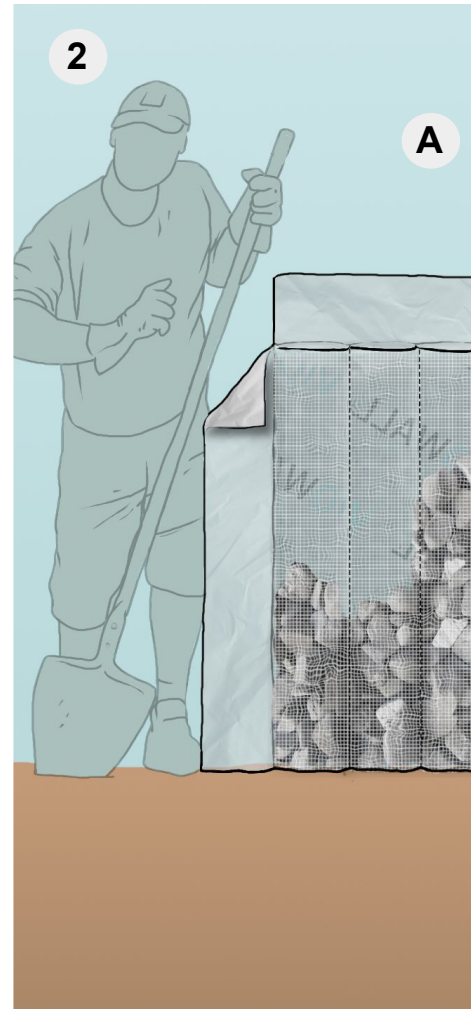
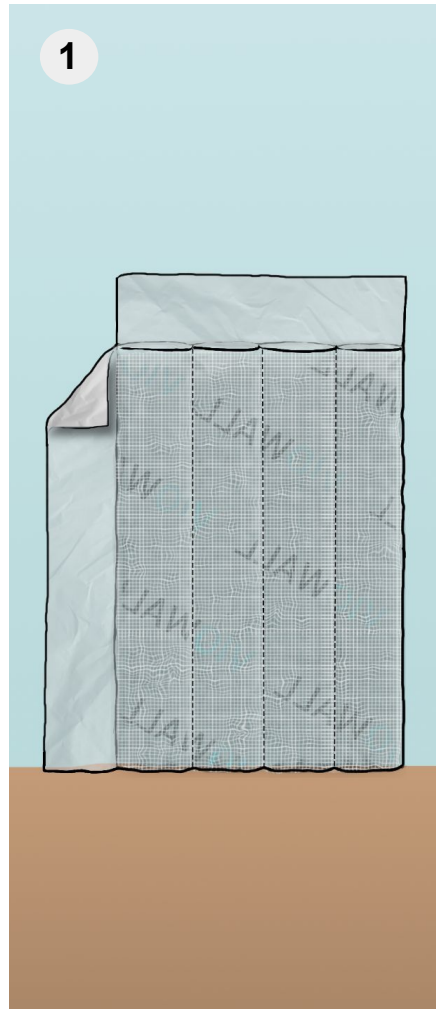
## Filling the VIOWALL foam glass cushions

**(1)** The cushions are unfolded and positioned vertically.

**(2)** Next the foam glass cushions are loosely filled with foam glass.

**(A)** The foam glass can either be filled by hand, or

**(B)** simply filled using a big bag suspended above the cushion (e.g. on an excavator arm).

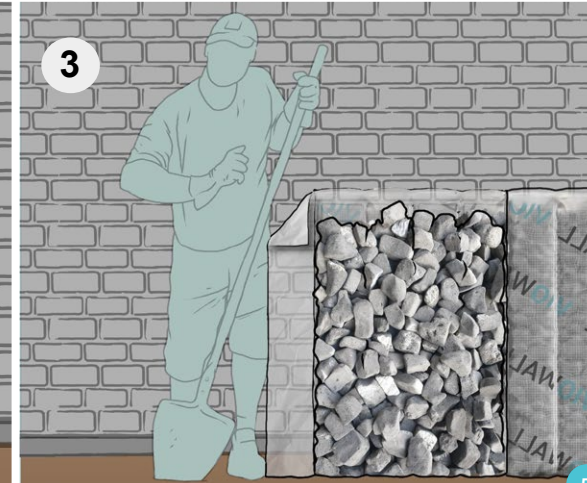
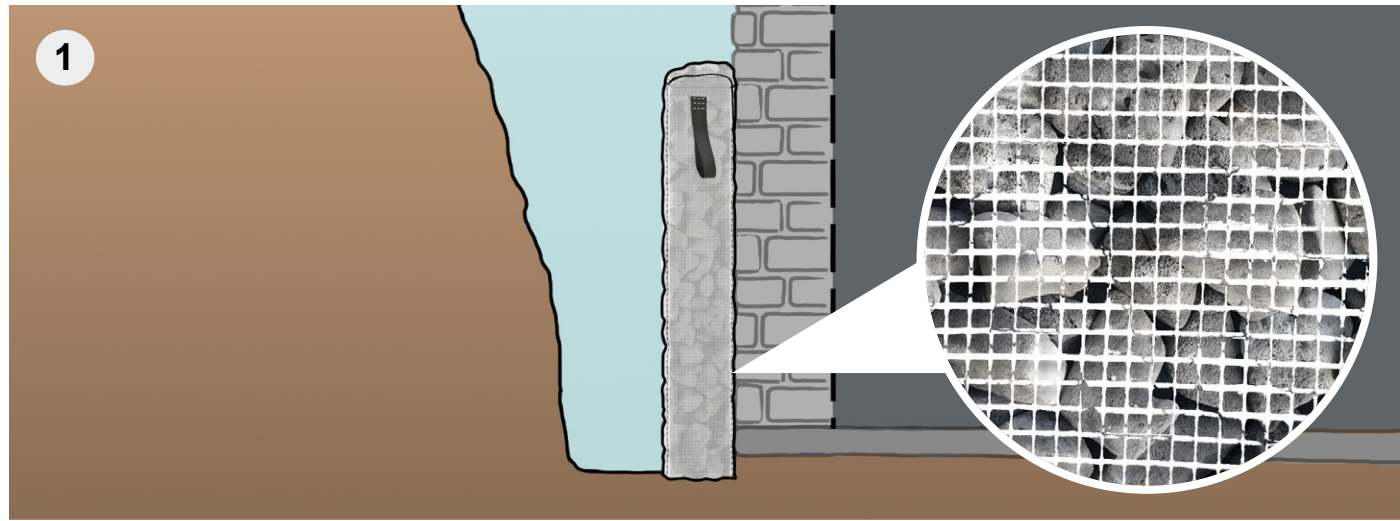


## Inserting the VIOWALL foam glass cushions

**(1)** The VIOWALL is inserted with the open grid structure facing the building wall. The VIOWALL premium foam glass thus has direct contact with the wall.

**(2)** One foam glass cushion is placed directly and closely next to the other and connected seamlessly to the outer wings (a). It is important that the foam glass cushions are positioned straight on the floor and that there are no gaps.

**(3) Optional:**  
The filling level of the cushions can also be adjusted during installation to adapt the foam glass cushions to any structural conditions.





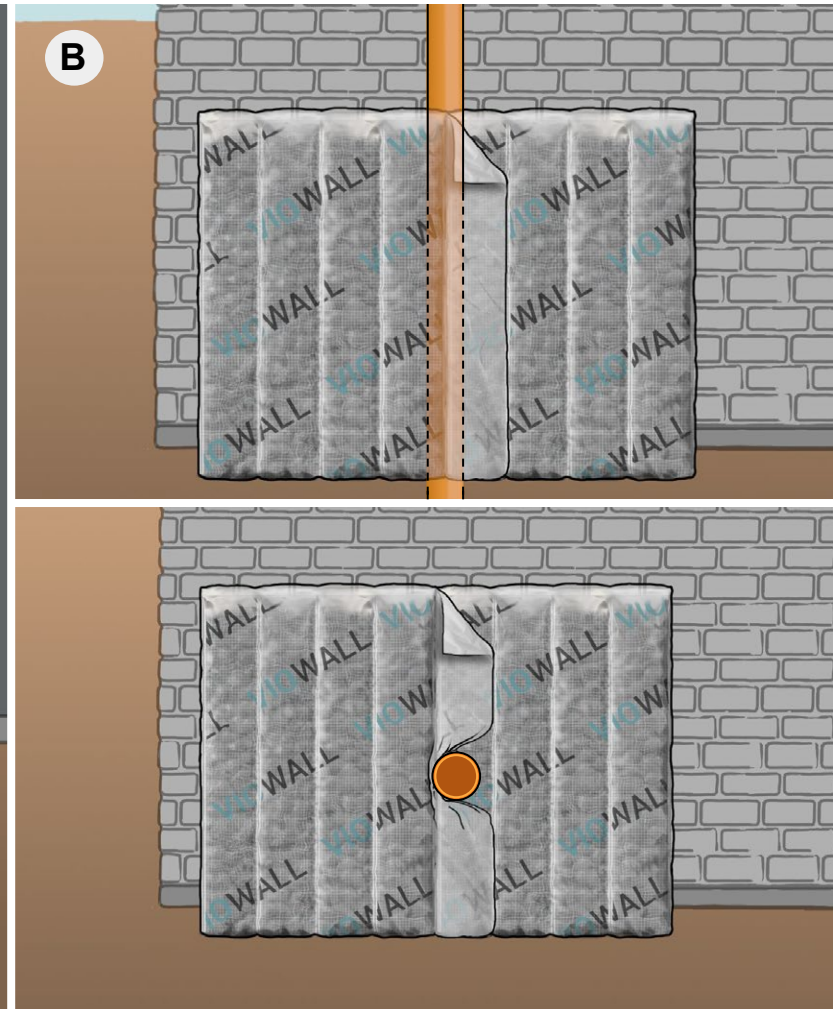
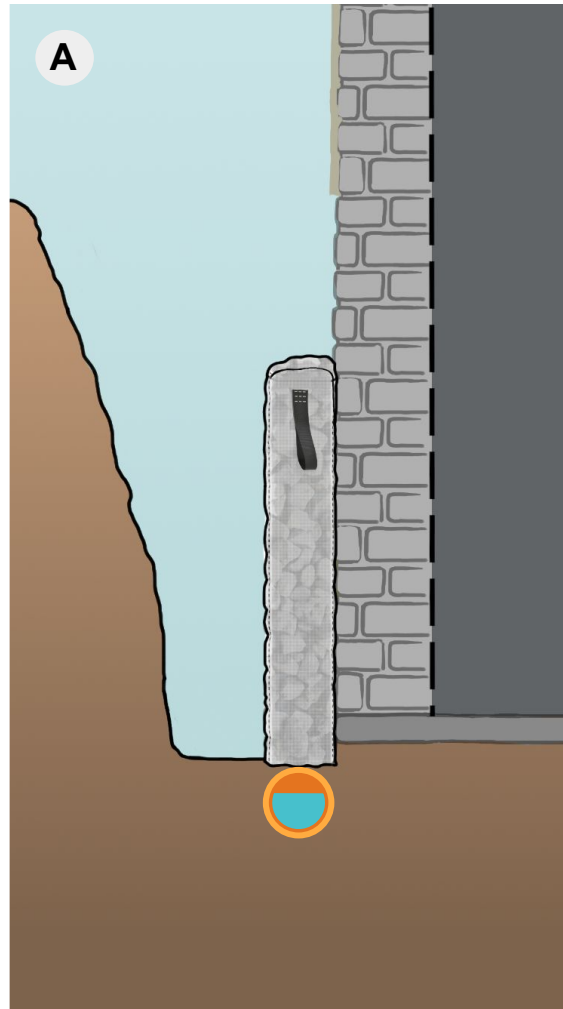
## Drainage, pipes and cables

### (A) Optional:

If necessary, a drainage pipe can be inserted under the foam glass cushions.

(B) Pipes and cables running to and from the house (e.g. waste water, gas or electricity), as well as downspouts, can be enclosed between the cushions.

The earth pressure later presses the foam glass cushions firmly against the pipes and cables so that any gaps are simply closed.

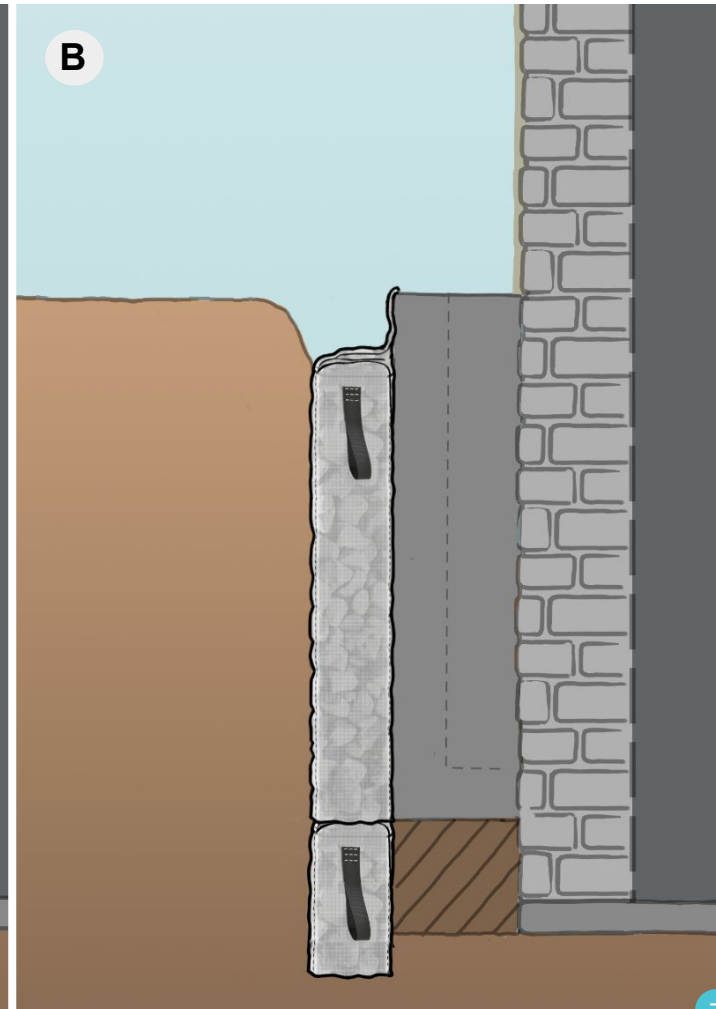
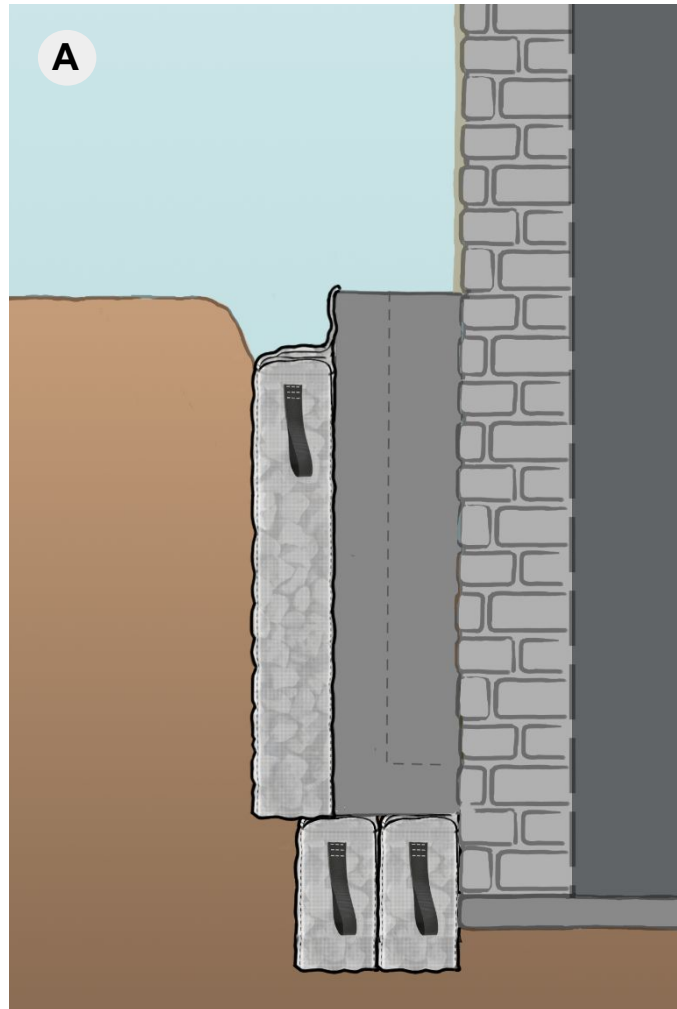


## Light wells

Light wells are simply enclosed like the foundation walls.

**(A)** The shafts can be supported from below with the foam glass cushions.

**(B)** Alternatively, the infill floor on which the light well sits can also be enclosed.



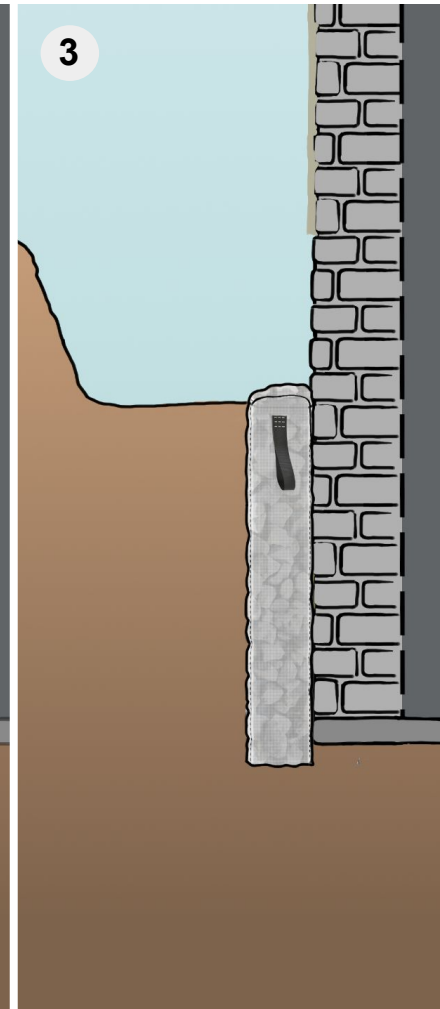
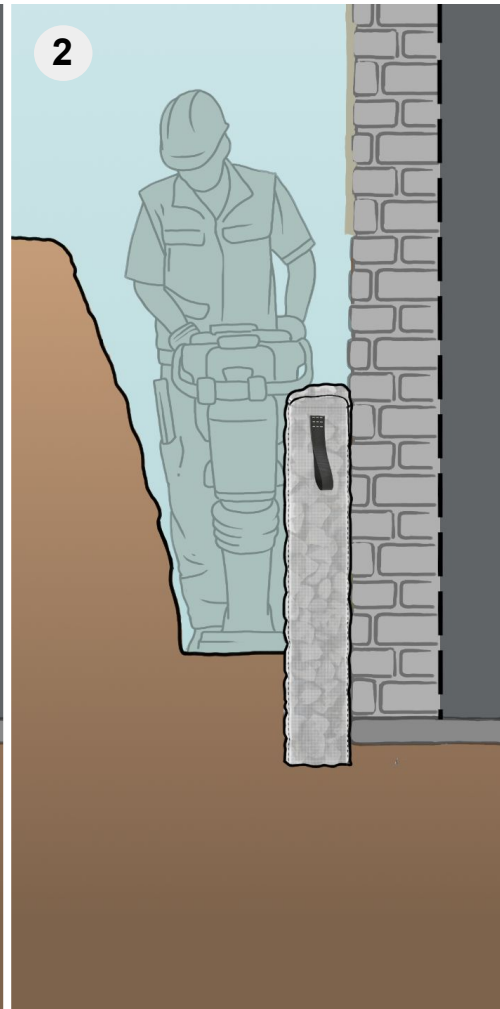
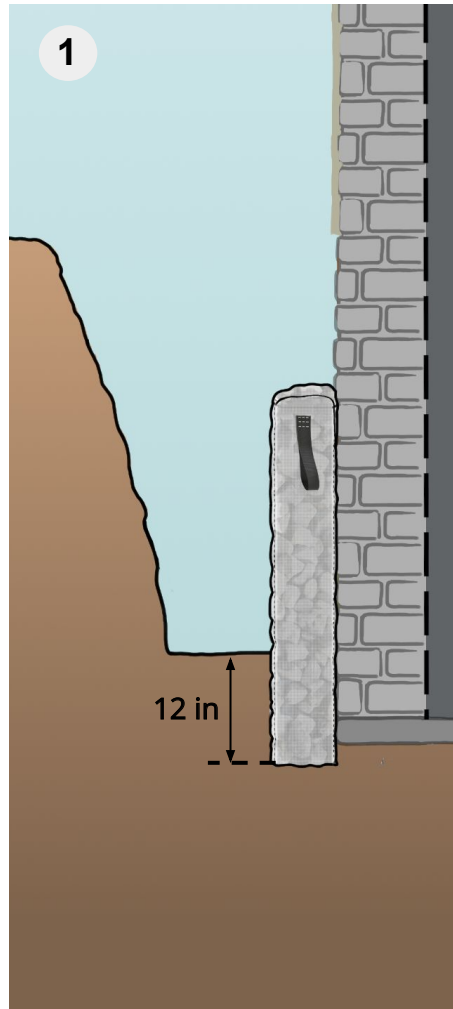
## Compacting the soil

The shaft is now backfilled with the previously removed soil.

To ensure the correct pressure on the cushion, it must also be compacted every 12 inches or so to prevent subsequent subsidence.

This can be done using a hand tamper, a vibrating plate or other tools.

**IMPORTANT - This must be done carefully so as not to damage the cushion cover.**





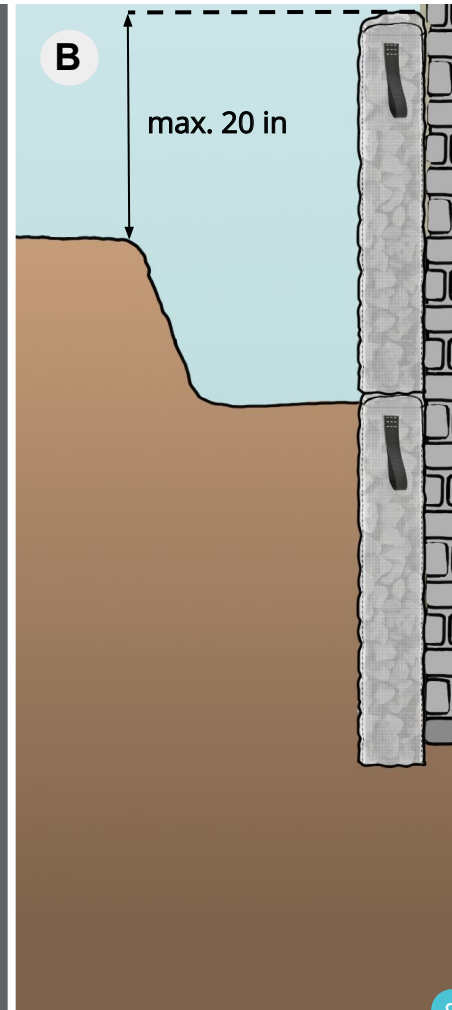
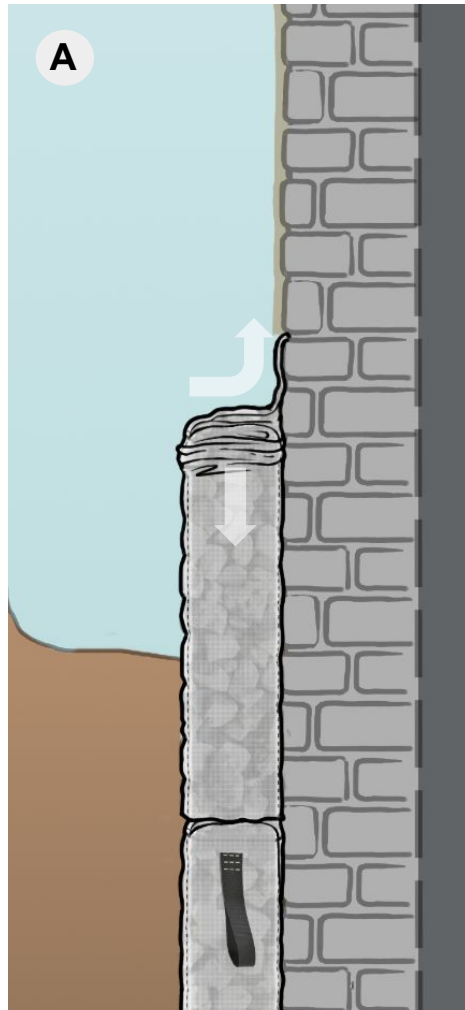
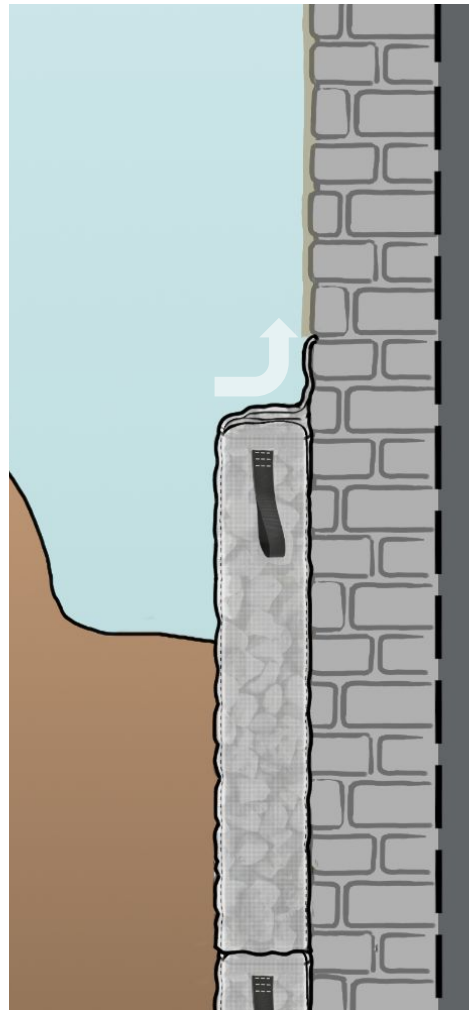
## Inserting the top row of cushions

Light wells are simply enclosed  
The closing flap of the foam  
glass cushions is placed over the  
cushion opening on the wall.

**(A)** The topmost cushion  
elements only need to be filled  
until they reach the surface  
of the ground. The rest of the  
cushion is then simply folded  
up and the flap is placed against  
the wall.

### **(B) Optional:**

The cushion elements can be  
installed up to 20 inches above  
the ground as both perimeter  
insulation and a moisture  
barrier to the ground floor.



## Closing the chamber and cover

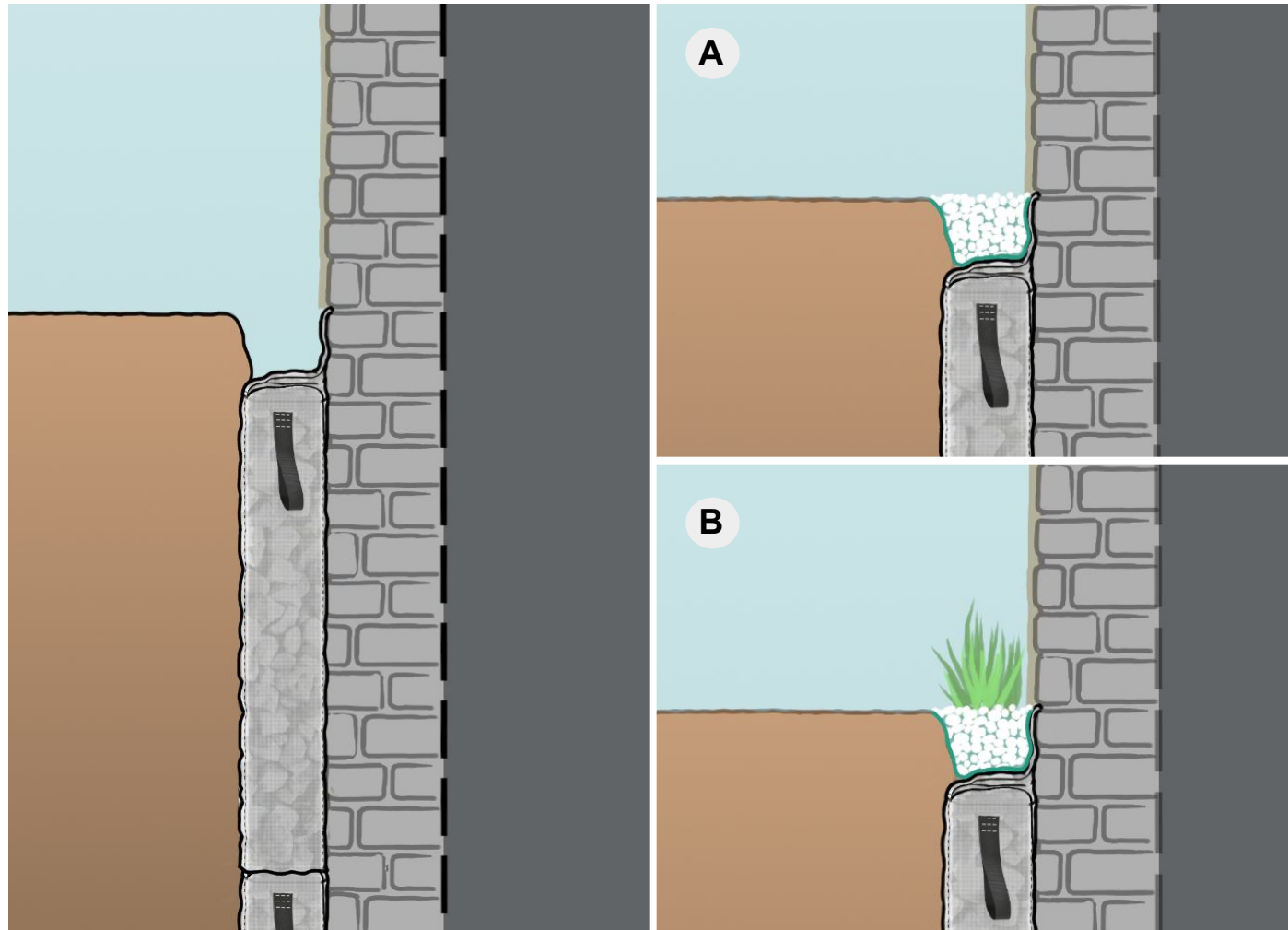
After filling and compacting the soil, you have other options to finalize your VIOWALL installation.

### (A) Optional:

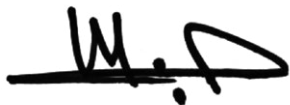
The area can be filled with gravel (any grain size) or other minerals with or without a set curbstone. Any type of pipework can be laid between the foam glass cushion and the cover.

### (B) Optional:

Greenery can be selected as a cover.



We thank you for your purchase and wish you every success and dry walls with your VIOWALL!

A handwritten signature in black ink, appearing to read 'M. Viol', with a horizontal line drawn underneath it.

Michael Viol

P.S. We have not explained your application sufficiently in this installation manual? Please contact us directly at: [info@viowall.glass](mailto:info@viowall.glass) or +49 (0) 1520 4644 922.

We will answer your questions immediately.



VIOWALL