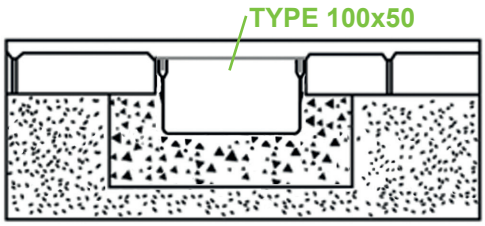
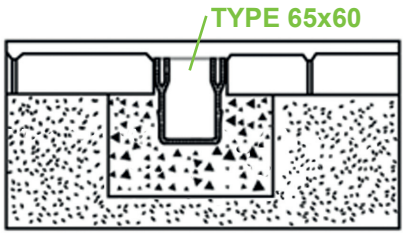
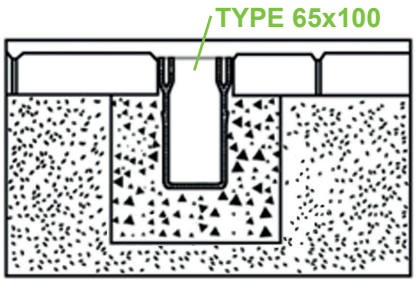






INSTALLATION INSTRUCTIONS

Please make sure to read the entire installation manual and determine where the outlets should be located. Also determine how to connect the design drainage channel kit to the sewer or other drainage systems, such as a gravel drain or an infiltration crate.

- This design drainage channel kit is for installation around the house with no traffic load (class A15). So, it can't withstand the weight of cars driving over it.
- Use a drain trap as an odour trap when connecting to the sewer.

Preparation

1. Dig a trench for installing the design drainage channel. Make sure the trench is at least 10 cm deeper and 20 cm wider (10 cm on each side) than the design drainage channel itself, see image.
2. If needed, construct the pipework for the installation of the design drainage channel by either connecting the pipe system to the sewer or by placing a gravel drain.
3. Option A: create a base of concrete or stabilised sand in the trench of about 10 cm high (cement sand ratio 1:3)
   OR
   Option B: start by placing small wooden supports in the trench of 10 cm high, followed by installing and connecting the entire design drainage channel (see steps 4 to 6). Only then start filling the trench with cement.
   TIP: In case there is no paving yet or if you are redoing the paving, we recommend to stretch a piece of wire to determine the height. If you want to install the design drainage channels in an existing paving, we recommend using a wooden template for levelling the height (please keep in mind that the design drainage channel grid should be placed 3 to 5 mm below paving).
4. Determine which outlet is needed to connect to the drainage system (bottom- and/or side-outlet). Recommendation: provide at least one outlet every 5 metres. If you opt for the bottom outlet, be sure to make a hole using a hole saw. For type 100x50 a hole between Ø 40 and Ø 80 mm and for type 65x60 and 65x100 a hole of Ø 45 mm.

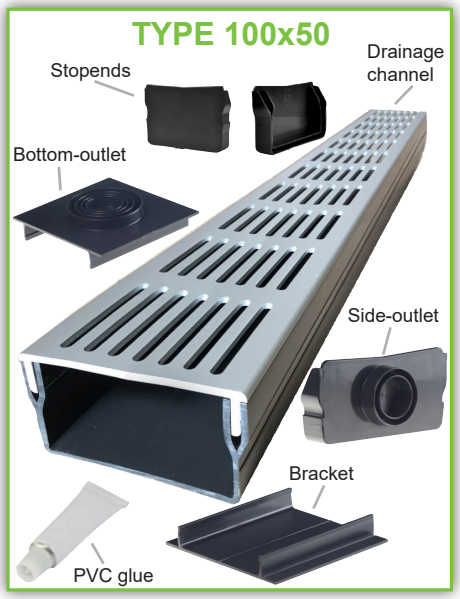
Installation

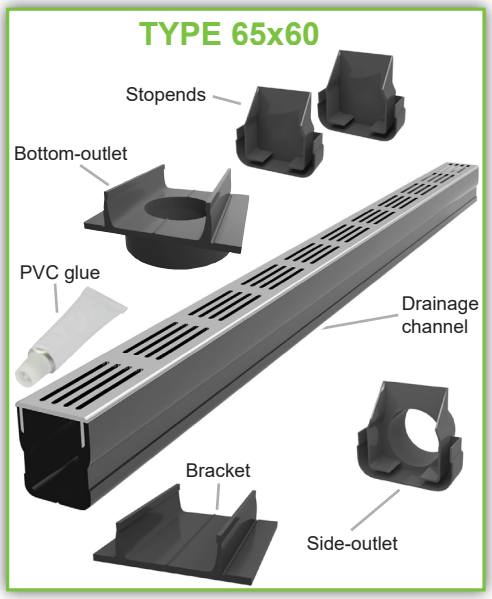
5. Start with the design drainage channel to be connected to the drain. Place it in the trench on the bed of concrete or stabilised sand (or for option 3b, on the wooden supports) and connect the design drainage channel to the drain.
6. Now the remaining design drainage channels can be connected to each other using the union brackets. If the channel is laid directly along an edge or wall, the wing of the union bracket should be cut off on that side. The stop ends are assembled before they are placed in the trench. We recommend attaching the channels to each other and the stop ends to the design drainage channels using PVC glue. The design drainage channel can be shortened at any point (hacksaw). Leave the grating on the channel elements during installation!
7. Place the design drainage channel at the desired height on the bed of concrete or stabilised sand (or for option 3b, on the wooden supports). Please note that the grid of the design drainage channel should be 3-5 mm lower than the paving. To determine the correct height, it is recommended to stretch a wire.

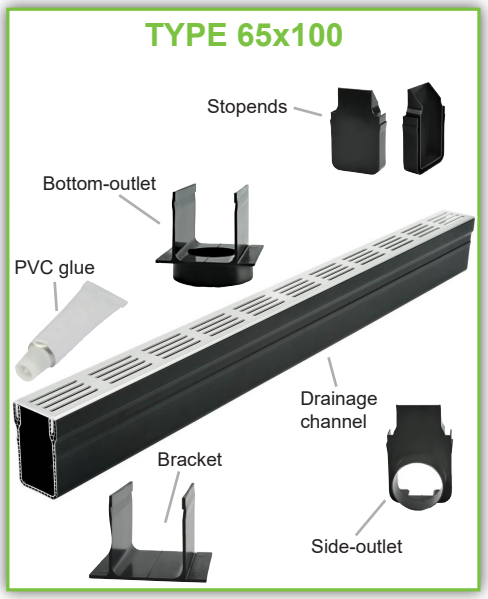
Finish

8. Fill the rest of the trench with concrete mortar to the height where the tiles/paving/vegetation are to be placed.
9. Place the final covering (grass, tiles, etc.) and remove the protective foil and allow the concrete to harden sufficiently.

Regularly check the drainage channel for dirt, and clean it when necessary to avoid blockage.







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QUESTIONS?

Do you need advice, or do you have any questions with regard to the installation? Please visit our website and contact us! We will happily assist you!

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