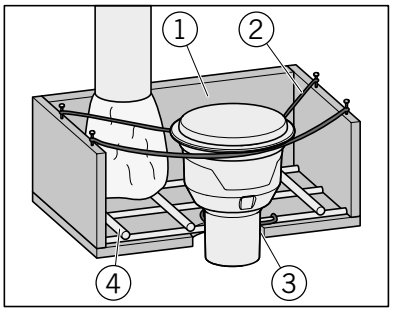
Installing the Vertical Floor Drain with Location or Bonding Flange

On account of the different surface structures and product combinations, there are numerous installation options. The example shown here therefore refers to a common installation situation and illustrates the basic sequence of installation.

Installation situation: Low ceiling thickness, core bore.
Product(s): ACO DN 100 vertical floor drain with location, bonding and clamping

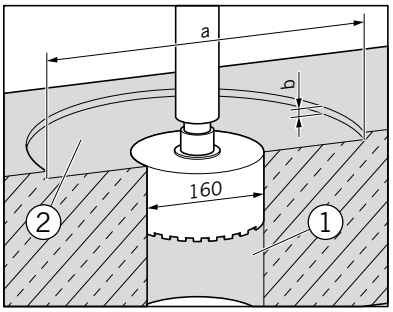
When a floor drain with a horizontal outlet is to be installed, a recess is required instead of a core bore.

CAUTION To ensure correct functioning, clean the sealing elements before installation.



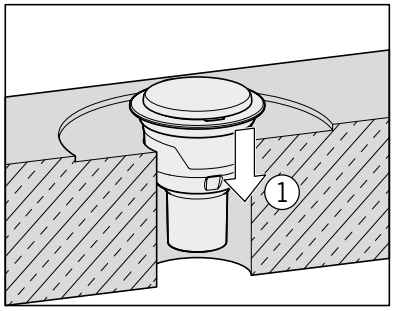
Creating a recess:

- Create shuttering (recess) for outlet socket (3). Dimensions.
- Fix the floor drain on the reinforcement (4) with binding wire (2) in such a way that the top edge of the adhering flange (floor drain) is flush with the concrete floor.
- Seal the floor drain completely with concrete (1).

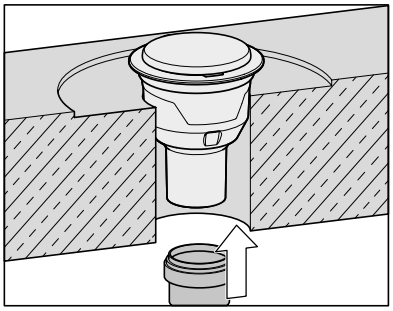


Drilling the core bore:

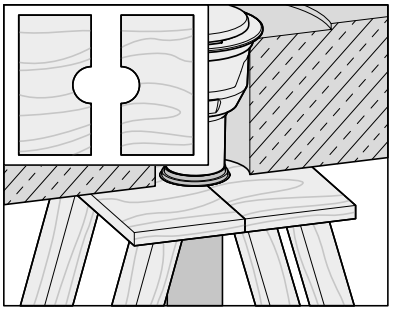
- Drill the core bore (∅ 160 mm) (1).
- Drill the upper core bore.
- Chip away the edge of the bore.
- Clean the ceiling opening of coarse dirt and dampen it.



- Insert the floor drain in the core bore (1).



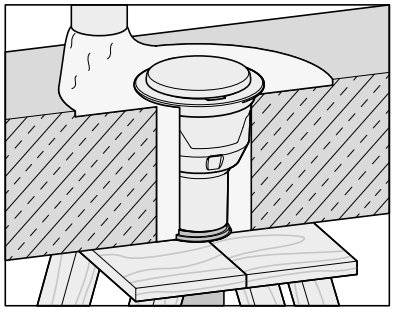
- Push the drainage line through from below and connect to the outlet socket of the floor drain.



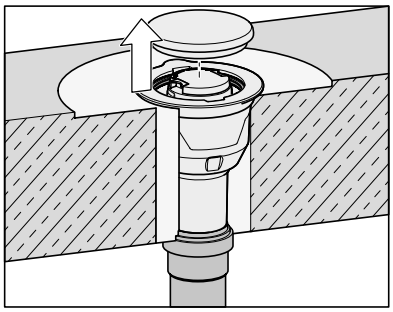
- Seal the core bore from below so that the cavities can be filled from above.

Recommended procedure:

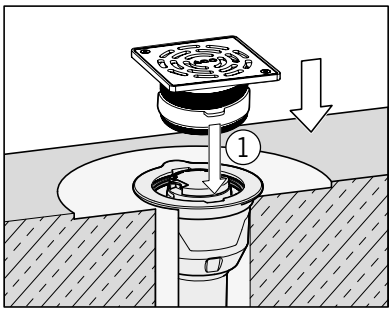
- Saw a hole with the diameter of the drainage line out of a board.
- Saw the board into two halves.
- Place the two halves of the board around the drainage line.
- Wedge the two halves of the board in position using wooden bars.



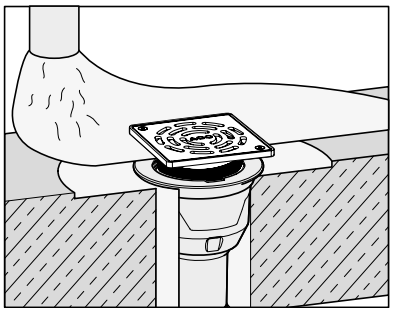
- Fill the cavities from above, e.g. with gypsum binder, MG II, II A or III mortar, cream binder or a mixture of pure sands.



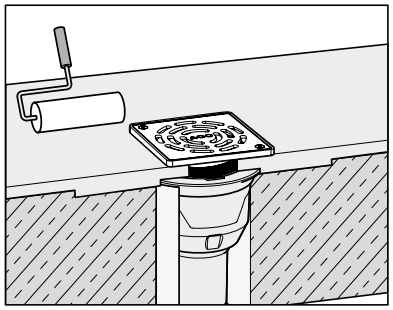
- Remove the board after setting.
- Check the filling after setting. Fill up any cavities that were created during setting.
- Remove the protective cover used during the construction period.



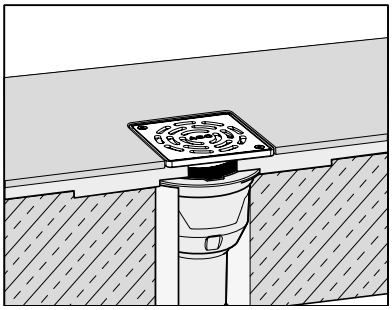
- Adjust the threaded insert to approx. intended height of screed and resin/ tile.
- Align tabs of the threaded insert with the recess in the gully body. (1)



- Check if the height of the gully corresponds with intended height of screed plus resin/tile (if necessary, rotate he gully top to achieve the correct height).
- Apply mortar to the entire surface of the underside.

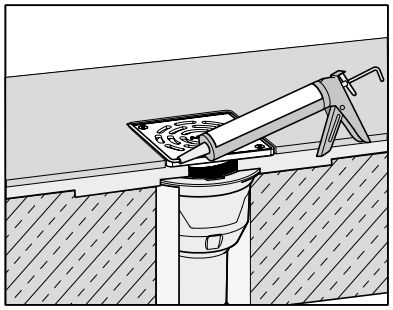


- Apply the compound seal, e.g. with a roller. Observe the manufacturer's instructions.

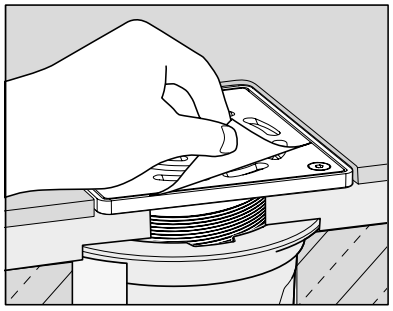


Applying a floor covering, e.g. floor tiles:

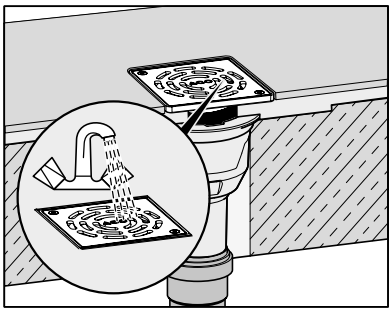
- Apply the substrate (e.g. plaster, jointless flooring, tile adhesive). Observe the manufacturer's instructions.
- Lay the tiles or pour the resin.



- Seal the top section with elastic sealing material, e.g. silicone.



- Remove the plastic film.



Completing the work:

- Fill the drain with clean water.