

Installation instructions for Merika® floor drain

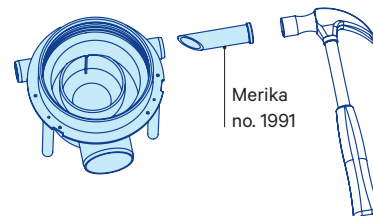


Merika no. 198 32 mm side connection

Opening the side connection of the floor drain

Before installing the drain Merika no. 198 in the floor, open the side connections if needed by hitting them with the purpose-built opening tool (Merika no. 1991), (image A).

Image A



Installation in a wooden floor

- The floor drain is attached by its flange to the auxiliary beams as shown in image B. **The drain must not be supported from the bottom due to potential depression of the floor. The drain shall be installed horizontally.**
- Make a $\varnothing 170$ mm hole in the floor board for the drain.
- The floor board is attached with 5 × 40 mm wood screws to the drain flange (image C).

NOTE! The screws must not touch the pipes!

- Fill the gap between the drain and the board with sealing mass.

Image B

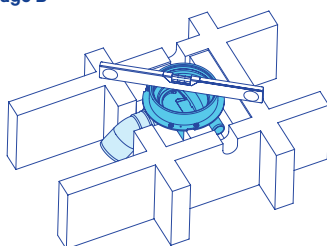
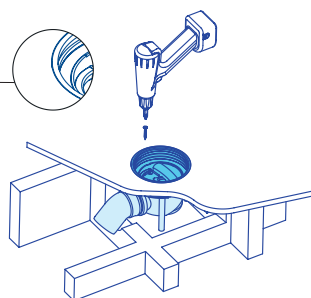


Image C

1-component
waterproof sealant



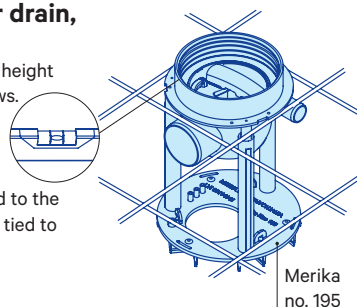
Installation in a concrete floor

- Check before the casting work that the drain is level.
- When casting the floor, note the slope reducing effect of the water insulation flange and materials by the drain, which is especially important when using minimum slopes (1:100).

As an aid to setting the floor drain to the correct height, use the supporting foot for the floor drain (Merika no. 195, Image D1) or the adjustable leg set for floor drain (Merika no. 194, Image D2).

Installing supporting foot for floor drain, Merika no 195 (image D1)

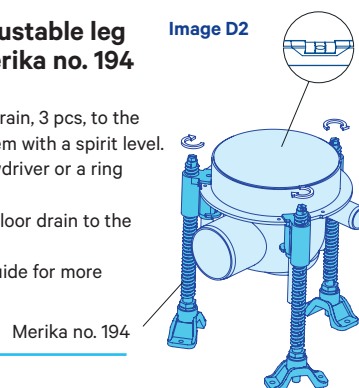
- The foot of the floor drain is cut to the correct height and the drain is attached to the foot with screws. (The screws and the screw bit belong to the installation package delivered with Merika 195).
- After this, the foot of the floor drain is attached to the floor with the screws. The drain should also be tied to the reinforcements.



Installation of the adjustable leg set for floor drain, Merika no. 194 (image D2)

- Rotate the legs of the floor drain, 3 pcs, to the correct height and check them with a spirit level.
- Adjust with a flat head screwdriver or a ring spanner.
- Fix the threaded feet of the floor drain to the floor with screws.
- See the M-194 installation guide for more information.

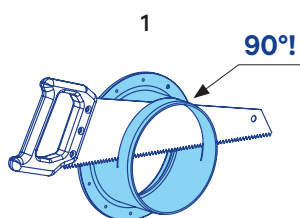
Image D2



Installing the build up ring to the floor drain

- By removing the M-440 build up wedges (2 pcs) delivered with the drain one at a time, the height of the build up ring can be lowered in intervals of 10 mm, without sawing the build up ring (image E2 on the other side).
 - In case height needs to be lowered even after this, the build-up ring can be cut by sawing it to the correct length and straight. The edge is bevelled.
 - The build-up ring is lubricated and pushed to its place. The build up ring is attached with the supplied screws (3 pcs) to the flange of the drain.
 - The screws are screwed to their places but do not tighten them (image E).
 - If the build up ring is installed to the drain before casting, it shall be attached to e.g. the reinforcements.
 - The clamp ring removed from the drain and the (red) casting protection suit into the build up ring.
- THE CASTING PROTECTION CAN NOT BE REMOVED UNTIL THE VINYL FLOORING OR BUILD UP RING ARE INSTALLED OR WHEN MAKING THE WATER INSULATION.

Use Merika build-up rings Merika no. 400, 401, 4011, 412, 413 ja 414 for these floor drains.



Saw the build up ring and chamfer the edge

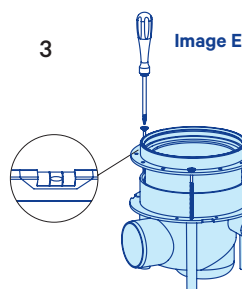
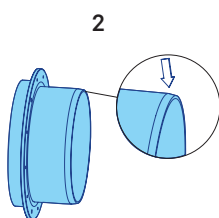
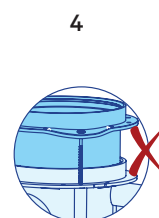


Image E



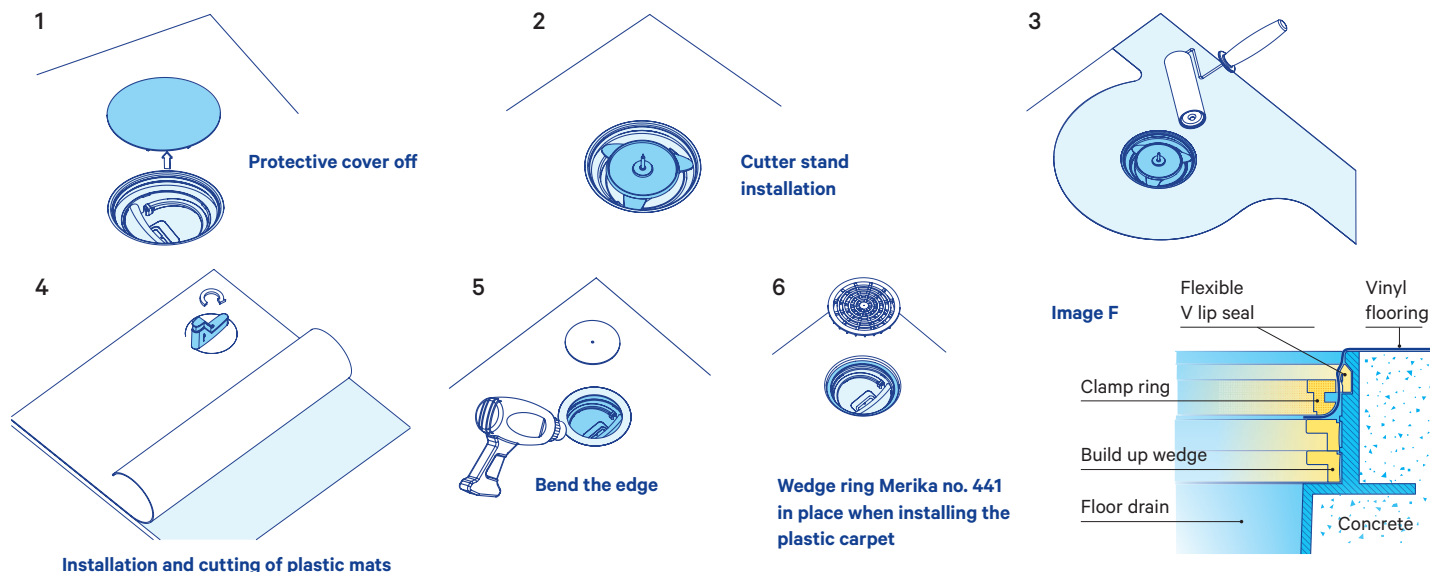
Tighten the build up ring

Installing vinyl flooring

The clamp ring of the floor drain suits for 1,5–2 mm vinyl floorings.

- The drain and the sealing are cleaned carefully.
- Check that the sealing is intact and in its place.
- Install the vinyl flooring to its place and cut it carefully.
- The vinyl flooring can be expanded by heating.

- The clamp ring and the cover are placed to the top of the drain and pushed evenly to the place.
 - Make sure that the clamp ring is in the bottom.
 - The vinyl flooring is cut along the clamp ring and the cover is put to its place.
- Thanks to the flexible V lip seal the vinyl flooring joint is tight without glue.

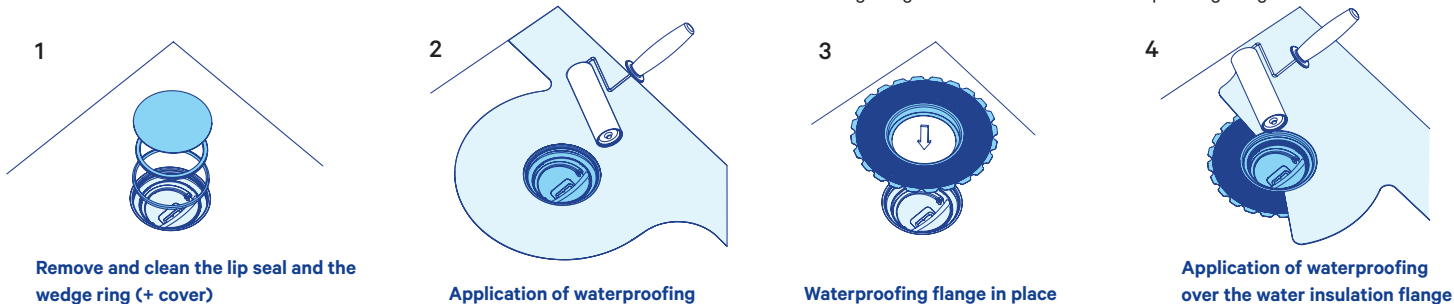


Installation of waterproofing flange:

In tile floors, use a waterproofing flange (Merika no. 458) to join the waterproofing compounds.

- Clean the floor drain and the seal carefully. Check that the seal is undamaged and properly in place.

- Apply waterproofing to the floor, carefully place the waterproofing flange. Apply waterproofing also over the edges of the waterproofing flange.
- Place the wedge ring and cover on top of the drain and press evenly into place.
- Ensure that the wedge ring is at the bottom of the waterproofing flange.



See the latest list of approved waterproofing products at www.merika.fi

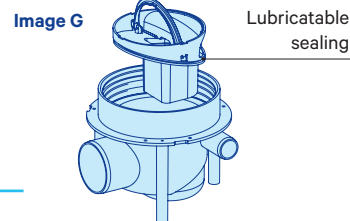
Cleaning and maintenance of the drain

If the drain or the pipe needs cleaning, proceed in accordance of the image G.

- Pour warm water into the drain.
- Lift the inner part of the drain off by pulling the handle.
- Clean the drain and pipes.

After cleaning:

- In case the sealing in the inner part is damaged, you should replace it. The sealing in the inner part is lubricated (e.g. soap solution) before installing the inner part to the drain.
- The inner part is aligned to the correct position in the body and pushed to its place.



Supplies

- M-198** Floor drain, HVAC-nr: 3311416, RSK-no. 7110769
- M-400** Build up ring, HVAC no. 3318112, RSK-no. 7032012
- M-401** Build up ring, HVAC no. 3318110, RSK-no. 7032015
- M-412** Build up ring, HVAC no. 3318117, RSK-no. 7032028
- M-413** Build up ring, HVAC no. 3318111, RSK-no. 7032029
- M-414** Build up ring, HVAC no. 3318155, RSK-no. 7032037
- M-4011** Build up ring, HVAC no. 3311431, RSK-no. 7032038
- M-457** Water insulation flange, HVAC no. 3319671, RSK-no. 7135106
- M-458** Water insulation flange, HVAC no. 3319673, RSK-no. 7135107
- M-4581** Water insulation flange for build up ring M-400, HVAC no. 3319674, RSK-no. 7135105
- M-1991** Special opening tool, HVAC no. 3311417, RSK-no. 3871098
- M-195** Floor drain foot, HVAC no. 3311414, RSK-no. 7133841
- M-194** Adjustable leg set for floor drain, HVAC no. 331450, RSK-no. 7135109
- M-19411** Lengthening set 100 mm for Merika 194, 3 lengthenings/bag, HVAC no. 3312418, RSK-no. 7135111

Spare parts

- M-199_05** Sealing of the water lock of the floor drain, HVAC no. 3311444, RSK-no. 7135104
- M-202_03** Floor drain lip sealing, new 160, HVAC no. 3311447, RSK-no. 7135101
- M-197** Waterlock for a horizontal drain (After 06/2017), HVAC no. 3311438, RSK-no. 8124004
- M-196** Back pressure part for the water lock of the floor drain (from 06/2017 on), HVAC no. 3311422, RSK-no. 8055384
- M-1971** Water lock with a back pressure part for a floor drain (from 06/2017 on), HVAC no. 3311424, RSK-no. 8098065
- M-441** Merika clamp ring 150 mm, HVAC no. 3319215, RSK-no. 7135103
- M-440** Merika build up wedge, HVAC no. 3312419, RSK-no. 7135102

Merika drains and build up rings are type approved. The approval requires that all products used belong to the Merika product series.



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In addition to this guide, the decrees 782/2017 on Humidity control performance and 62/2023 on Water supply and sewerage equipment of properties given by the Ministry of the Environment shall be followed. We follow the terms of the Association of Technical Traders.



Quality for HVAC Technology

