

Installation instructions

Vapor barrier roof drain on bitumen roofing

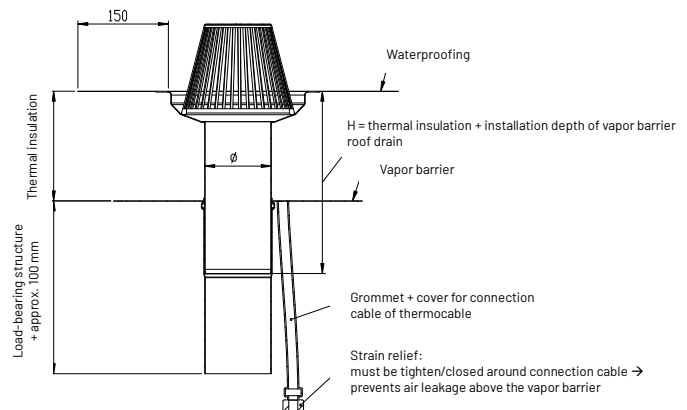
Installation of vapor barrier roof drain

1. Check the primed flange on the vapor barrier roof drain for the presence of dust and dirt and clean it if necessary.
2. If a drain line is already in place, have the connection between the vapor barrier roof drain and the drain line checked and approved by an HVAC contractor. In other cases, dimension the vapor barrier drain by using structural thickness + approx. 100 mm.
3. **The lip seal must not be damaged during the waterproofing; remove the seal for the duration of the installation and reinstall the seal in the drain before installing the roof drain.**
4. If necessary, mechanically fasten the vapor barrier drain to its base.
5. Connect the drain to the vapor barrier in accordance with the selected vapor barrier material. In a bitumen vapor barrier, the drain flange is welded tight between the sheets. In a light vapor barrier, the joint must be sealed with splice tape or bitumen strip.

Note: For vapor barrier roof drains with condensation insulation, the temperature must not exceed +80°C during the installation.

Installation of roof drain

1. Check the primed flange on the roof drain for the presence of dust and dirt and clean it if necessary.
2. Cut a hole for the roof drain and outlet through the thermal insulation sheets and protect the vapor barrier drain outlet.
3. If the hard surface wool is removed from the area where the roof drain is installed, a piece of plywood, for example, must be installed on top of the soft wool surface.
4. Run the connection cable of the thermocable into the space below by using the grommet on the flange of the vapor barrier roof drain. The connection to the electrical network is performed by an electrical contractor.
5. Install the roof drain inside the vapor barrier roof drain; use lubricant to simplify the installation, if necessary.



Ensure the correct, functional connecting depth between the roof drain and the vapor barrier drain:

Ø 50 mm = 40–80 mm
Ø 75 mm = 50–90 mm
Ø 110 mm = 60–100 mm
Ø 160 mm = 70–130 mm

6. Install the base membrane, which will be welded on both sides, below the flange of the roof drain.
7. If necessary, fasten the drain mechanically by using the fastening holes on the flange.
8. Install the base membrane and surface membrane on top of the flange on the roof drain, allowing them to overlap.
9. Cut away the membrane on top of the drain collection basin or the outlet hole.
10. Secure the seal on the joint between the roof drain and the waterproofing.
11. Fit a grate in the drain.
12. Tighten the strain relief at the bottom of the cover around the connection cable of the thermocable.

Note: For roof drains with thermocables and/or condensation insulation, the temperature must not exceed +80°C during the installation.

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