

Full bonding of the anchor plate

Adhesion to the bituminous roof covering forms the load-bearing connection of the anchor plate. Bitumen flowing through the perforations shows that the material is sufficiently plastic, but it does not prove that the underside of the rigid plate makes contact everywhere with a possibly uneven roof surface.

KEY POINT

The connection requires both adhesion at all contact surfaces and sufficient cohesion in the bitumen layer. Both only work properly when the plate is pressed down over its entire surface.

INSTALLATION ON BITUMINOUS ROOF COVERING

01

Heat the substrate carefully

Heat the existing bituminous roof covering evenly and in accordance with the roofing manufacturer's application instructions. Avoid local overheating or damage.

02

Apply and roll the second bitumen membrane

Apply the second membrane fully over the anchor plate and immediately roll it in evenly. Bitumen flowing through the perforations is desirable, but it is no proof of full surface adhesion to the lower roof covering layer.

03

Press the plate down fully and evenly

A roller presses the top layer down well, while the rigid plate bridges small irregularities in the substrate. Therefore, while the bitumen is still sufficiently warm and plastic, carefully stand on the covered plate wearing clean, dry, flat-soled safety shoes. Distribute the pressure over the centre, edges and corners; do not twist or slide.

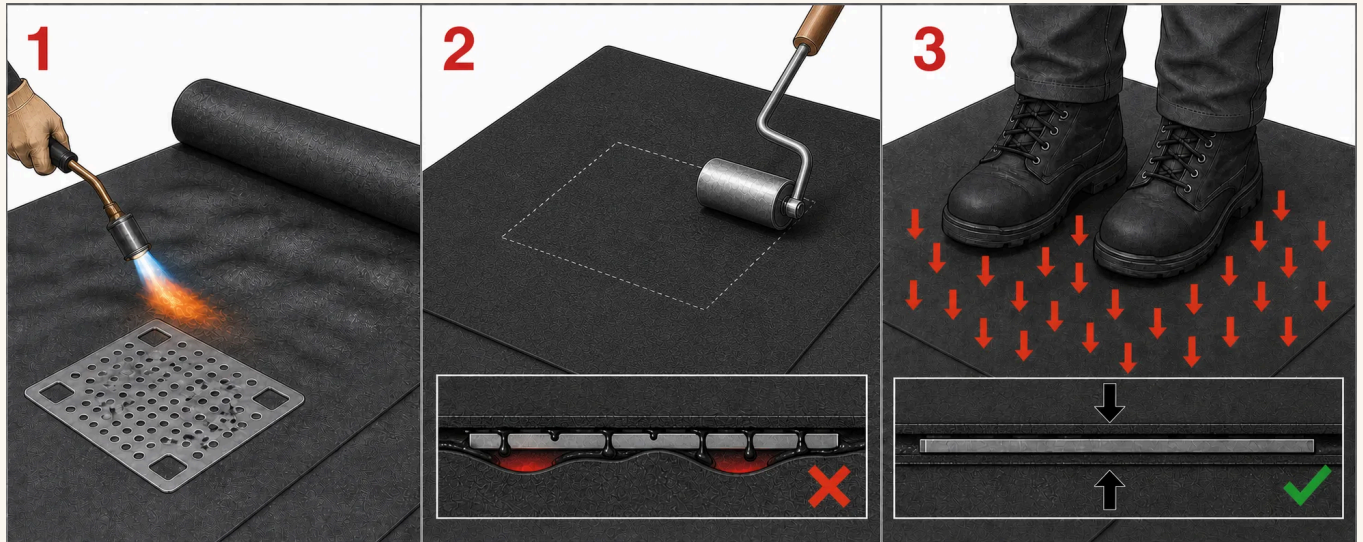
04

Check adhesion thoroughly

Check flatness, edges, creases, blisters and displacement. Because the underside of the plate is not visible, the installation method must be followed consistently. In case of doubt, or when the substrate, material combination or weather conditions change, carry out a trial installation and an appropriate adhesion test.

From flow-through to surface adhesion

Follow the three images in order. Bitumen flowing through the holes alone does not guarantee full contact under the plate.



Goal: maximum actual contact area between plate, bitumen and the lower roof covering layer.

Adhesion bonds to the surfaces; cohesion holds the bitumen layer together under load.

Extra attention for lifeline systems

In a lifeline system, the start, end and corner anchors can be subjected to continuously higher loads due to the pretension. Only put the system into use once it has been established that the anchor plate is fully (100%) and durably bonded to the roof covering layer.

Technical basis: The Dutch roofing guideline Vakrichtlijn gesloten dakbedekkingssystemen 2025 specifies, among other things, flatness and suitability of the substrate, 100% adhesion for fully bonded layers, a bonding layer across the full width, firm pressing and regular adhesion tests. These practical instructions do not replace the brand-specific application instructions.