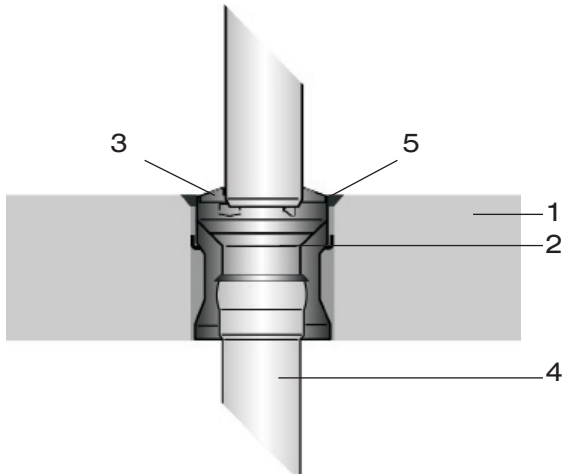


Installation instructions

LORO direct balcony drains, series IK for use in core drillings, DN50 and DN70



Application example 1:

Balcony made of waterproof concrete, with no additional covering.

- 1 Balcony slab
- 2 Direct drain with dome
- 3 Stainless steel strainer for balcony floors
- 4 LORO-X steel discharge pipe
- 5 Seal

LORO problem solution:

Direct balcony drains with dome, series IK, vertical outlet, with stainless steel strainer for balcony floors.

Installation: Top edge of drain flush with top edge of balcony slab.

Alternative seals made of:

Liquid plastics

Application example 2:

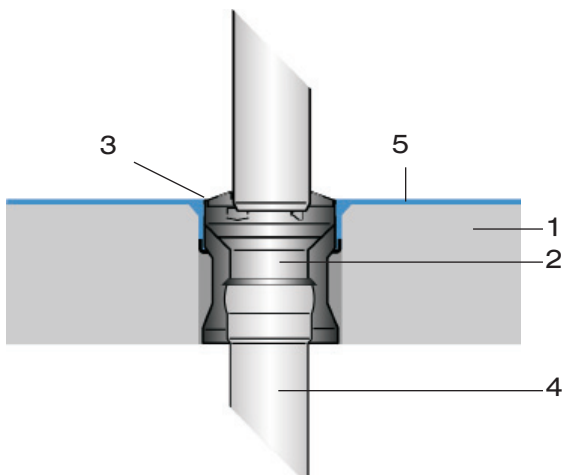
Balcony slab with liquid plastic as final covering

- 1 Balcony slab
- 2 Direct drain with dome
- 3 Stainless steel strainer for balcony floors
- 4 LORO-X steel discharge pipe
- 5 Liquid plastic, layer thickness approx. 2 mm

LORO problem solution:

Direct balcony drains with dome, series IK, vertical outlet, with stainless steel strainer for balcony floors.

Installation: Set the top edge of the drain higher by the thickness of the covering.



Plastic-cement combinations

Application example 3:

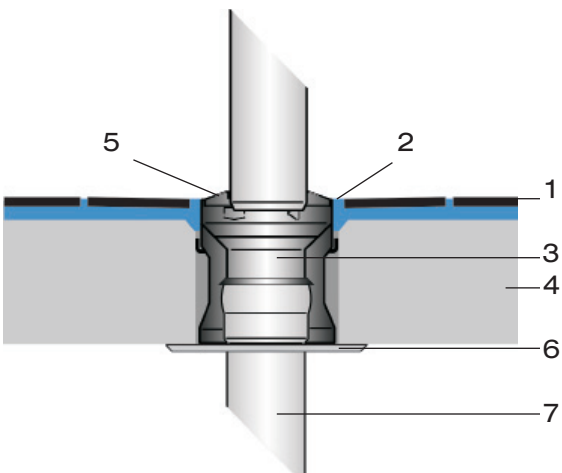
Balcony slab with tile covering in thin-bed

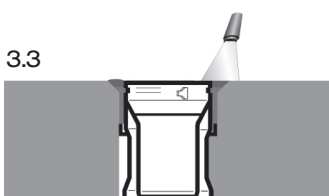
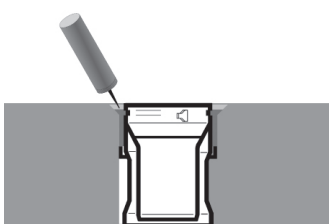
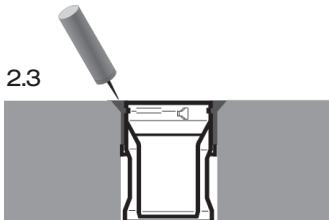
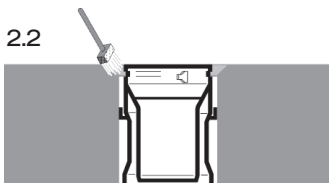
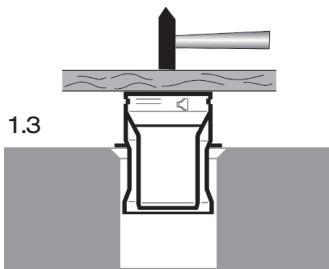
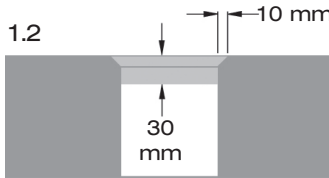
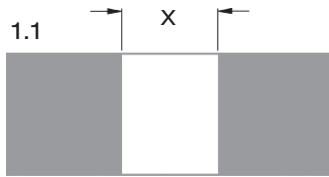
- 1 Tile covering in thin-bed
- 2 Elastic joint
- 3 Direct drain with dome
- 4 Balcony slab
- 5 Stainless steel strainer for balcony floors
- 6 Collar
- 7 LORO-X steel discharge pipe

LORO problem solution:

Direct balcony drains with dome, series IK, vertical outlet, with stainless steel strainer for balcony floors.

Installation: Set the top edge of the drain higher by the thickness of the balcony superstructure.



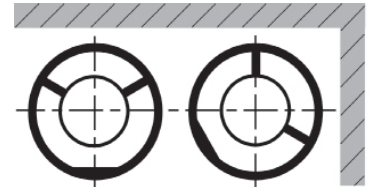


Installation instructions

1.) Installation of the drain

- 1.1 Drill the core drilling.
The diameter X of the core drilling is
DN 50 = \varnothing 112 mm, DN 70 = \varnothing 132 mm
- 1.2 The upper edge of the core drilling must be given a chamfer approx. 10 mm wide all round. The upper region of the core drilling must be free of dust and grease and as dry as possible to a depth of about 30 mm.
- 1.3 Place the drain centrally with the discharge end into the core drilling.
Note: In the corner area the position of the retaining cams is to be observed according to sketch A.
Using suitable tools, e.g. hammer and square timber, drive the drain into the core drilling for a force fit. The installation height is to be set according to the finished height of the covering.

Sketch A



2.) Sealing the drain in balconies without a balcony seal (application example 1)

- 2.1 Install the drain as described under points 1.1 - 1.3.
- 2.2 Apply primer* (available from specialist dealers) with a brush to the circumferential chamfer. Note: Minimum drying time of the primer approx. 30 minutes. Maximum installation time of the sealing compound approx. 8 hours.
- 2.3 Completely fill the joint space between the drain and the edge of the core drilling with sealing compound* (available from specialist dealers). Subsequently draw off the still fresh surface flush using a spatula and a little water with a low surface tension.
- 2.4 If using alternative seals, we recommend that you check their system compatibility with the following materials, which is usually the case, however. Refer to the general instructions for use on the sealing compound cartridge.
The remaining installation work can be carried out after 24 hours. The early strength of the material is achieved after 16 hours at 23 °C and 65 % humidity.

* We recommend exclusively the primer **Albon Silicon Primer P** and sealing compound **Albardin MultiSil** from Remmers Baustofftechnik, 49624 Lönigen, Germany. We cannot give any guarantee for other material combinations not tested by us.

3.) Sealing the drain in balconies with alternative seals (application examples 2 and 3)

- 3.1 Install the drain as described under points 1.1 - 1.3.
- 3.2 Fill the circumferential hollow spaces up to half the chamfer below the floor level with the building adhesive from Rehage GmbH/Heson. Smooth off or remove surplus material.
Application temperature 5 - 40 °C, hardening time approx. 3 - 5 mm per day (light moisture accelerates hardening). Since the adhesive expands, it is necessary to remove the surplus.
- 3.3 After hardening, fill the glued filling area up to floor level with Nogaflex 2 K-Plus sealing putty and strew with coarse quartz grain 0.5 - 1.5.
Note: Observe the respective drying times of Nogaflex-Plus sealing putty; sinking of the strewn quartz sand is to be avoided.

Trace heating

After checking the roof drains and pipes in areas endangered by frost, we recommend that customers install trace heating if necessary (see EN 12056, Part 1, or DIN 1986, Part 100).

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