Screed flush heavy-duty duct
Assembly instruction
The screed-flush heavy duty duct consist of a heavy duty duct bottom piece UBK, three heavy duty dummy covers UBKD, two side profiles UBKPR, and of mounting and connecting material. These parts are contained in the shipment as individual parts. The duct can be installed in the widths of 200, 300 and 400 mm with a levelling height of 100 to 200 mm and can bear loads of 5 to 25 kN.

1 | Duct alignment
Measure the duct course according to the approved layout drawing and mark it using a plumb line. Lay duct bottom piece UBK according to duct course and marking and align in dead centre.

2 | Inside couplers
Push duct bottom pieces together and screw together using inside couplers UBKV.

3 | Side profile
Insert side profile UBKPR into the trenches of the duct bottom piece from the outside using pre-assembled screws.

4 | Coupler
Bolt duct bottom piece, side profile, and inside couplers together at the joints using couplers UBKPFRV.

5 | Fixing
Mount duct to the rough concrete in two places per length using plugs.

6 | Inward profile bend
In order to create a branch, notch the duct bottom piece as well as the side profile. Then insert two inward profile bends UBKIB.
11 | Spacer
Before applying screed, insert one spacer UBKDB per duct metre. The distance plate is to be removed after the hardening of screed.

12 | Dummy cover
Mask all open areas and insert dummy covers only after the application of screed.

13 | Slotting
If needed, add slots to the duct bottom piece, then burr and galvanise the joints.

14 | Adjust levelling
Level duct system to the required screed height using a laser or digital tube level.

15 | Levelling
Height levelling over 35 mm is possible due to the side slot in the duct bottom piece.

7 | Shortening a T-junction
Push the branch duct bottom piece to the notch, shorten the side profile by 0,3 m and hinge it behind the inward bend.

8 | Outward profile bend
Cut duct bottom pieces to length and mitre. Then hinge profile inward and outward bends (UBKAB). The outside curve is to be mounted on site using connectors UBKPRVE.

9 | T-junction final assembly
Push the branch duct bottom piece to the notch and cut the dummy cover UBKD as well as the profile.

10 | End piece
Hinge end piece UBKEB into duct bottom piece and align.

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