TOP roof drains installation manual

General installation

1. Mark and prepare a hole in which the roof drain is to be installed. The hole must go through all layers of the roof.

2. Insert the roof drain with a hole template into the downpipe socket in a correct position (check the position of the gasket). Fasten the roof drain to the substrate.

3. If there are multiple layers of hydro-insulation, the roof drain should be installed on the first layer. While heating the area around the flange, avoid direct contact of the flame with the roof drain.

4. Install a waterproof membrane (the bitumen membrane should be applied to a template and heated with extreme caution). Avoid forming joints close to the drain. When installed, press the central pin of the template so that it extends over the membrane. Use a guide and a knife to cut out a round drainage hole.

5. Remove the cover and turn the clamping ring tightly until required tightness is achieved. Attach a leaf and gravel guard.
INSTALLATION METHOD I

INDUSTRIAL ROOF WITH A DOUBLE ROOF DRAIN

1. TOP roof drain Ø 75-110-125-160 mm.
2. TOP roof drain Ø 160 mm.
3. Leaf and gravel guard
4. Heater, 14 W 220 V
5. Downpipe or downpipe socket
6. Ceiling
7. Water vapour barrier
8. Thermal insulation
9. First layer of membrane
10. Second layer of membrane
12. Washed gravel 5-30 mm.

INSTALLATION METHOD II

ROOF ADAPTED TO PEDESTRIAN TRAFFIC

1. TOP roof drain Ø 75-110-125-160 mm.
2. Guard connector
3. Perforated guard intended for pedestrian traffic
4. Downpipe socket
5. Ceiling
6. Water vapour barrier
7. Thermal insulation
8. First layer of membrane
9. Second layer of membrane
11. Concrete substrate
12. Anti-slip tiles
INSTALLATION METHOD III

ROOF ADAPTED TO PEDESTRIAN TRAFFIC

1. TOP roof drain Ø 75-110-125-160 mm.
2. Guard connector
3. Guard intended for pedestrian traffic
4. Drain thermal insulation – foamed polystyrene, heater (14W 220V)
5. Downpipe socket
6. Ceiling
7. Water vapour barrier
8. Thermal insulation
9. First layer of membrane
10. Second layer of membrane
12. Concrete substrate
13. Anti-slip tiles

INSTALLATION METHOD IV

INDUSTRIAL BALLASTED ROOF

1. TOP roof drain Ø 75-110-125-160 mm.
2. Leaf and gravel guard
3. Drain thermal insulation – polystyrene foam
4. Heater, 14 W 220 V
5. Downpipe socket
6. Ceiling
7. Water vapour barrier
8. Thermal insulation
9. First layer of membrane
10. Second layer of membrane
12. Washed gravel 5-30 mm.
INSTALLATION METHOD V
GREEN ROOF

1. TOP roof drain Ø 75-110-125-160 mm.
2. Downpipe socket Ø 160
3. Perforated guard connector
4. Heater, 14 W 220 V
5. Downpipe socket
6. Ceiling
7. Water vapour barrier
8. Thermal insulation
9. First layer of membrane
10. Second layer of membrane
12. Drainage and storage panel (Bauder DSE 20)
14. Earth on a green roof

INSTALLATION METHOD VI
GREEN ROOF

1. TOP roof drain Ø 75-110-125-160 mm.
2. Perforated guard connector
3. Guard intended for pedestrian traffic
4. Heater, 14 W 220 V
5. Downpipe socket
6. Ceiling
7. Water vapour barrier
8. Thermal insulation
9. First layer preventing from root penetration
10. Second layer of membrane
12. Drainage and storage panel (Bauder DSE 20)
14. Earth on a green roof
INSTALLATION METHOD VII

GREEN ROOF

1. TOP roof drain Ø 75-110-125-160 mm.
2. Perforated guard connector
3. Guard intended for pedestrian traffic
4. Heater, 14 W 220 V
5. Downpipe socket
6. Ceiling
7. Water vapour barrier
8. Thermal insulation
9. First layer of membrane
10. Second layer of membrane
11. Filtering and separating layer
12. Gravel (60-70 mm).
13. Earth

INSTALLATION METHOD VIII

INVERTED ROOF

1. TOP roof drain Ø 75-110-125-160 mm.
2. Perforated connector
3. Supports
4. Guard
5. Downpipe socket
6. Ceiling
7. First layer of membrane
8. Second layer of membrane
10. Thermal insulation
12. Terrace slabs
INSTALLATION METHOD IX

INVERTED ROOF ADAPTED TO PEDESTRIAN TRAFFIC

1. TOP roof drain Ø 75-110-125-160 mm.
2. Guard
3. Supports
4. Drain thermal insulation
5. Downpipe socket
6. Ceiling
7. First layer of membrane
8. Second layer of membrane
10. Thermal insulation
11. Filtering layer
12. Terrace slabs