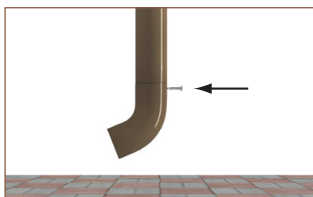


13. Installation of pipe brackets - fix the pipe brackets to the wall at a maximum distance of 200 cm from each other and 15 cm from each pipe edge. For securing the brackets to the wall, use the element pipe bracket adapter.



14. Installation of ending bend - for an elegant open end of a downspout, use the element ending bend. To assemble to a pipe use a self-tapping screw on the back side.



15. Installation of universal gully - to directly connect the roof drainage system to the sewerage network use the element universal gully.

STORAGE AND HANDLING

The gutters and pipes should be stored above the ground level on a smooth surface without any roughness or sharp edges, providing support on every 50 cm. The products should be arranged freely without twisting or bending. Do not arrange them in heights of more than 1m. All fittings should be stored indoors in their original packaging in order to protect the products from damage or pollution. Ventilation should be provided for the products for the period of storage. They should not be wrapped or covered with transparent or opaque foils. To prevent surface scratching of gutters and

pipes - do not slide one on top of the other. All system components are packaged in separate polyethylene sleeves, hence do not expose to direct sunlight for a long period of time.

ATTENTION!

The usage of elements from other manufacturers endangers the proper operation of the system. The warranty is valid only when the installation is solely made with elements of system FAVORIT 130.

DESIGN

The project of a roof drainage system should be prepared by an authorized designer, considering the requirements of EN 12056-3 and strictly following all national and local standards in building planning. The product is intended for rainwater harvesting from the roofs of residential, administrative and industrial buildings.

DRAINAGE

(All calculations acc. to EN 12056-3)

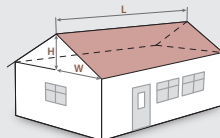
Position of the outlet	l/sec	m ²
at the end	2,22	100
in the middle	4,40	200

The calculations are made based on rainfall intensity of 80 l/m² x h

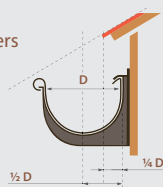
Effective roof rainfall area

$$S = (W+H/2) L$$

The running outlet should be positioned at least 10 m away from the beginning of the slope



Distance between roofing tiles and gutters



DEVOREX®

ENJOY BUILDING WITH US!



Swedish steel
with polymer coating

0,6 mm

Gutter system
FAVORIT 130

SSAB



HEAD OFFICE BULGARIA

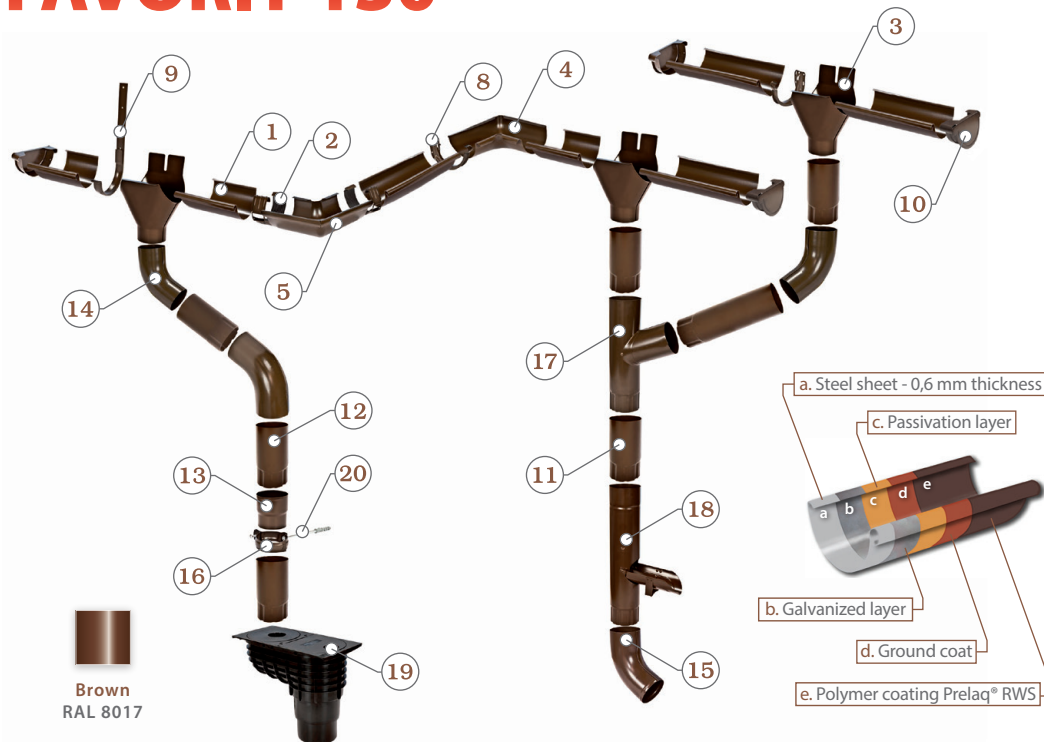
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FAVORIT 130



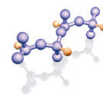
1. FAVORIT 130 Gutter, 3m
2. FAVORIT 130 Gutter union
3. FAVORIT 130 Outlet Ø90
4. FAVORIT 130 Interior angle 90°
5. FAVORIT 130 Exterior angle 90°
6. FAVORIT 130 Exterior angle 135°
7. FAVORIT 130 Interior angle 135°
8. FAVORIT 130 Gutter fascia bracket
9. FAVORIT 130 Top rafter bracket
10. FAVORIT 130 Universal stopend
11. FAVORIT Ø90 Pipe, 3m
12. FAVORIT Ø90 Pipe, 1m
13. FAVORIT Ø90 Connector
14. FAVORIT Ø90 Bend 67.5°
15. FAVORIT Ø90 Ending bend
16. FAVORIT Ø90 Pipe bracket
17. FAVORIT Ø90 Branch 67.5°
18. FAVORIT Ø90 Rainwater diverter
19. Universal gully
20. Pipe bracket adapter 8x120
21. Pipe bracket adapter 8x180

ADVANTAGES



TRADITIONAL GUTTER PROFILE

Traditional gutter profile with increased thickness (0.6 mm) and optimized drainage capacity



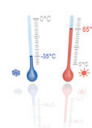
DISTINGUISHED QUALITY

FAVORIT 130 is produced from Swedish steel with double-sided polymer coating Prelaq® RWS.



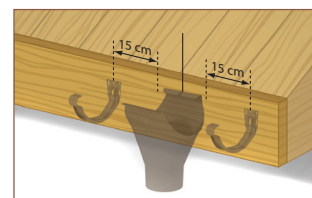
USER FRIENDLY INSTALLATION

The "click" gutter assembly mechanism and the gaskets lining all connecting elements make the installation quick and easy without soldering.

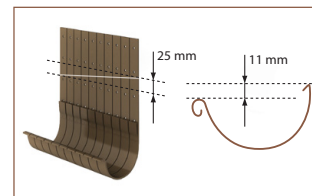


RESISTANCE TO WEATHER CONDITIONS

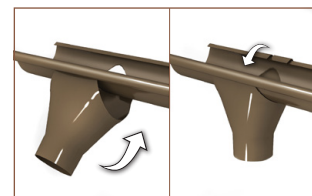
All components of FAVORIT 130 are distinguished by outstanding resistance to extreme weather conditions.



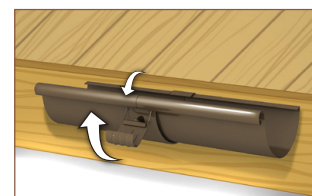
1. Mark the position of the outlet on the fascia board. Fix a gutter fascia bracket on each side of the outlet at a maximum distance of 15 cm from its edges.



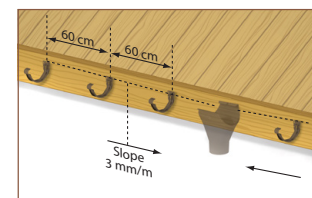
4. When a fascia board is absent, use top rafter brackets, which have to be installed on the roof beams. Mark the necessary slope and adjust the arms of the rafter brackets, according to the marking.



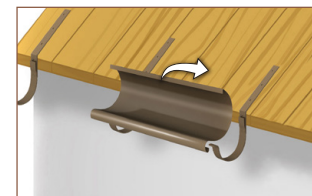
7. Fixing the outlet - insert the front part of the outlet into the outer edge of the gutter. Ease the rear part of the fitting upwards until it snaps onto the gutter. To lock the position, bend the two plates at the back of the outlet into the gutter.



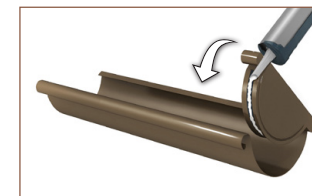
10. Installation of gutter union - attach the rare part of the gutter union on the inner edges of the elements you want to assemble. Ease the front part of the gutter union upwards until it snaps. Secure into place by using the locking plate mechanism.



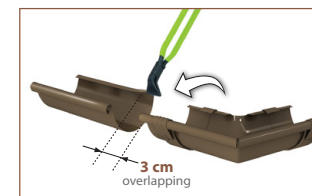
2. Install the gutter fascia brackets starting with the utmost, providing a 0,3% (3 mm/1m) slope towards the outlet, at a maximum distance of 60-90 cm from each other.



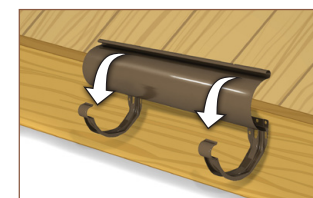
5. Fixing gutters into rafter brackets - insert the front part of the rafter bracket into the outer edge of the gutter. Ease the rear edge of the gutter into the bracket bed and lock into place, by bending the plate at the back of the rafter bracket.



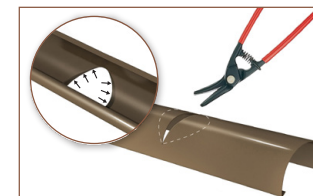
8. Installing a stopend - apply a film of bituminous sealant at the gasket of the stopend. Insert the rear part of the stopend in the inner edge of the gutter. Ease the stopend downwards until it snaps into the gutter.



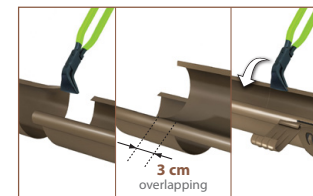
11. Connecting a gutter and an angle - unfold the inner edge of the gutter by 3 cm in length. Insert the front part of the angle into the outer edge of the gutter. Ease the angle upwards until it snaps into the gutter. Bend inward the unfolded edge of the gutter. Fix a gutter union on the overlapped section and lock into place.



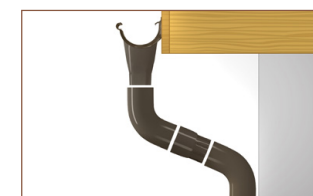
3. Fixing gutters into gutter brackets - insert the inner gutter edge into the rare part of the bracket. Ease the outer gutter edge under the hook of the bracket, until the gutter snaps into all brackets.



6. Use the outlet as a template on the gutter. Make a hole in the gutter with the size of the pipe diameter. Bend the cut edges towards the water flow and apply paint onto them to prevent the material from damages.



9. Connecting gutters - use pliers to unfold the inner edge of one of the gutters by 3 cm in length. Overlap the gutters by 3 cm and bend inward the unfolded edge of the gutter.



12. To connect an outlet to a pipe use either bend 67.5° and/or a connector. For assembling pipes with their fittings do not use fasteners. The only exception is the ending bend.