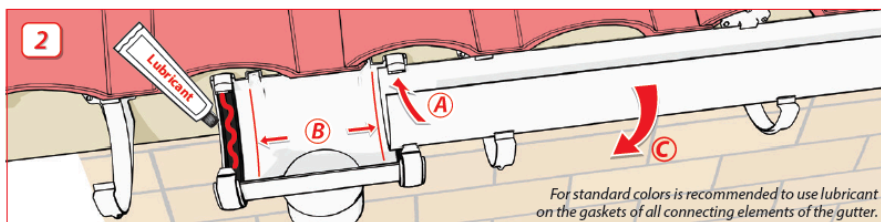
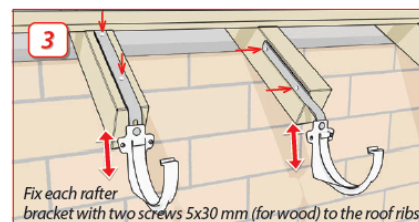


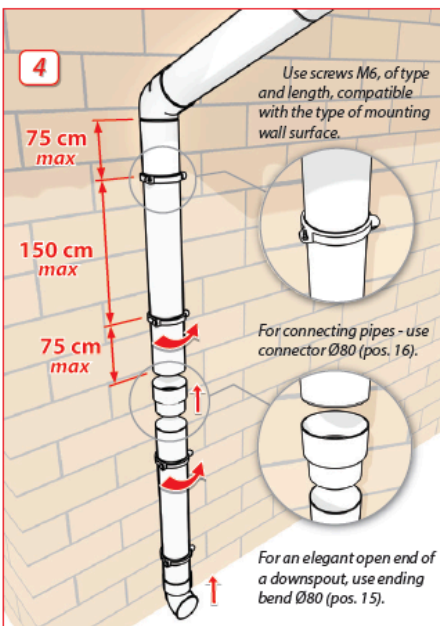
1. Install the running outlet, considering the position of the drain pipe and the slope direction of the gutter. Using a straight pulled cord, set the slope gradient and install the gutter brackets, beginning with the furthest from the running outlet. The distance between two gutter brackets should be maximum 50 cm, and between a gutter bracket and another element (running outlet, union, angle or stopend) – maximum 10 cm. Use 5x30 mm screws (for wood) to fix all elements, featuring fascia fixture holes, to the roof fascia.



2. In order to install the gutter, first insert the internal edge of the profile accordingly (A), adjust the gutter end to match the indicating line in the fitting (B), thus providing space for the thermal expansions and contractions and finally twist & snap (C) the external edge of the gutter profile for firm fixture in each bracket and/or connecting element. NO gluing of the gutter elements. The use of lubricant during installation of copper color is COMPULSORY.



3. When installing the system on roof ribs, use side or top rafter brackets. Use bolt and nut M6 (pos. 16) with the gutter and rafter brackets, in order to easily adjust the required gutter slope.

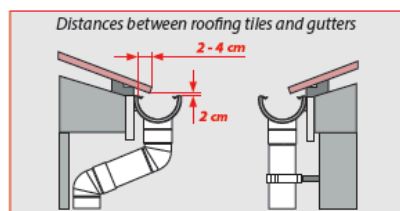


4. Install the pipe brackets at 150 cm between each other and at maximum 75 cm from the pipe end. After inserting the pipe in the pipe bracket, close the bracket and tighten the small bracket connection screw.

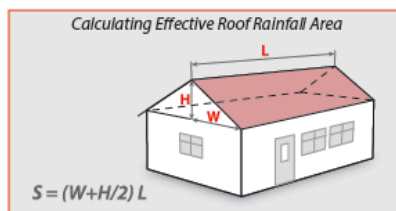
DESIGN

Roof drainage system design should be performed by an authorized and experienced designer, considering the requirements of EN 12056-3 and strictly following all national and local building codes and standards. The product is fit for rainwater handling from the roofs of residential, administrative and light industry buildings.

WARNING!!! In cases of installations on roofs of buildings in regions, susceptible to formation of snow and/or ice cover, please install suitable ice/snow protection fixtures on the roof, in order to prevent falling of ice/snow and serious damage to people and property.



The roofing tiles should be positioned according to the picture above.



The running outlet should be positioned minimum 10 m away from the beginning of the slope.

FLOW RATES (calculations acc. to EN 12056-3)

Positioning of the outlet	slope 8 mm/m		slope 4 mm/m		horizontal	
	l/sec	m ²	l/sec	m ²	l/sec	m ²
at the end	1,5	70	1,3	60	1,2	50
In the middle	3	140	2,6	120	2,4	100

All calculations are based on rainfall intensity of 80 l/(m² · h)