Bitte weiterblättern!

# Technical data

Isola Steel Roofing Gutter fulfils all the demands required for modern guttering systems. Over 30 years of experience with Norwegian gutters combined with continuous improvements have led to a product distinguished by its quality.

## Maintenance

Roofing gutters need to be cleaned of leaves and dirt at least once and preferably twice a year. Also check the joints and surface coating. Your efforts will be repaid in terms of function and useful life.

Foto forside: Husmo Foto

| Product description | Unit | Dimension | Tolerances |
|---|---|---|---|
| **Roofing gutter:** | | | |
| Length | mm | 4000 | +10 - 0 |
| Width, external | mm | 142 | |
| Weight per pcs. | kg | 4,47 | +0,180 |
| **Downpipe:** | | | |
| Length | mm | 3000 | +10 - 0 |
| Width, external | mm | 76,2 | +1 |
| Weight per pcs. | kg | 3,62 | +0,145 |

**Classification:**

| Properties | Test method | Unit | Value | Requirement |
|---|---|---|---|---|
| **Roofing gutter:** | | | | |
| Component width | NS-EN 612, class X | mm | 245 | 200<w>250 |
| Bead diameter | NS-EN 612, class X | mm | 16 | min 15 |
| Front height | NS-EN 612, class X | mm | 60 | min 58 |
| Rear edge height | NS-EN 612, class X | mm | 71 | min 69 |
| Thickness | NS-EN 612, steel | mm | 0,6 | min 0,54 |
| **Downpipe:** | | | | |
| Seam overlap | NS-EN 612, class X | mm | 6 | min 6 |
| Material tickness | NS-EN 612, steel | mm | 0,6 | min 0,54 |

**Water capacity** (based on rainfall intensity of 0,013 L/s per m², maximum roof area m²)

| | | |
|---|---|---|
| **Roofing gutter:** | | |
| Downpipe at end of gutter 110 m² | Downpipe midway of gutter 220 m² | Dimension of gutter 125 mm |
| **Downpipe:** | | |
| Downpipe at end of gutter 150 m² | Downpipe midway of gutter 210 m² | Dimension of downpipe 75 mm |

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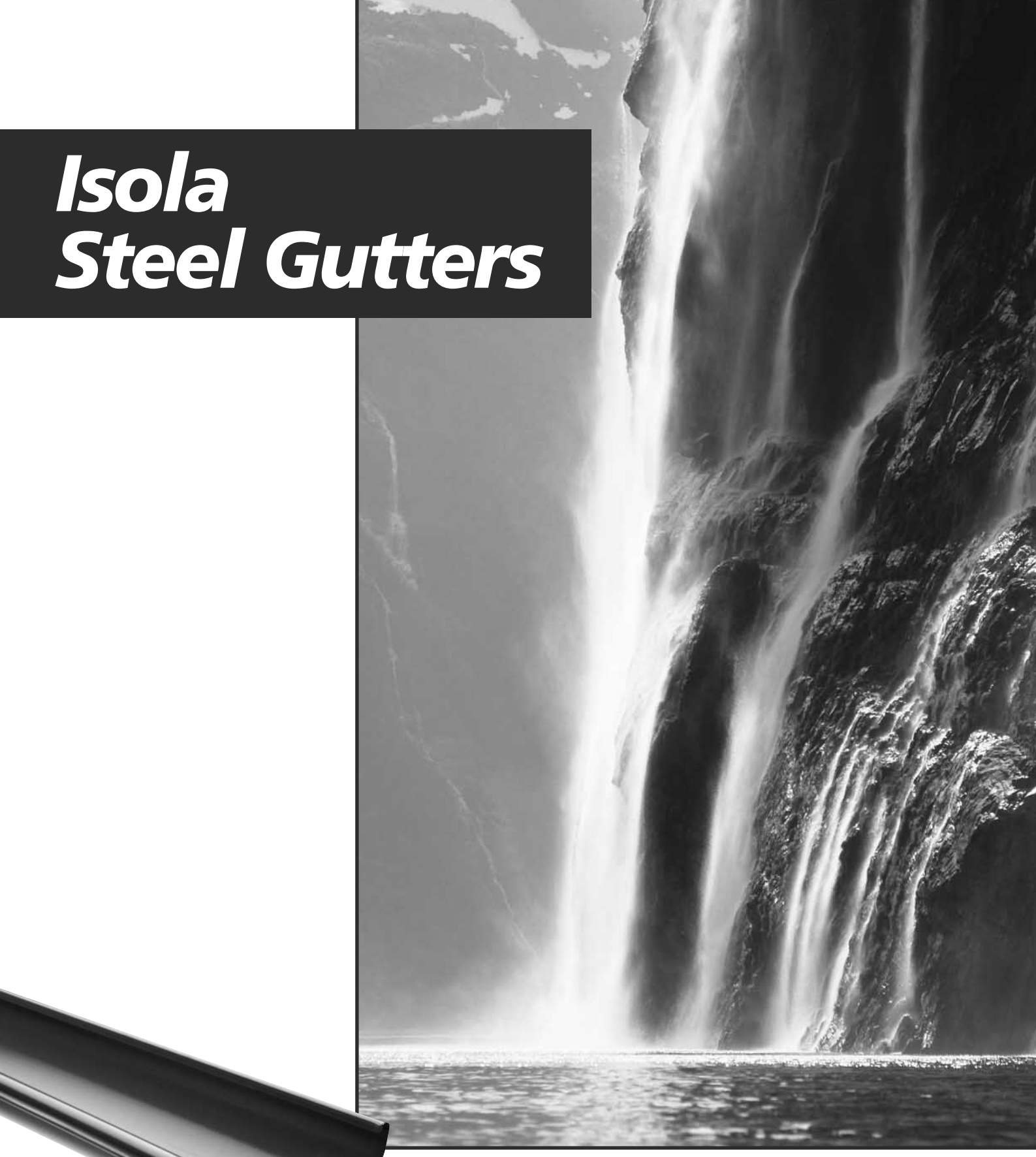
*Dry and healthy buildings*

# Isola Steel Gutters



*Strength and design for extreme climate!*

isola®

*Dry and healthy buildings*

# Steeled against wind and weath

## The four seasons

Wide temperature variations and highly variable weather conditions present a tough challenge for building materials in Norway. Isola Steel Roofing Gutters in plastic-coated galvanised steel have been developed over several decades and possess the necessary qualities to tackle what-ever the weather can throw at them.The combination of steel and plastic gives Isola Steel Roofing Gutters great stability and strength. Add to that the product's modern design and a colour range to suit all buildings.

## Steel – high terminal stability

Temperature changes often lead to large movements in materials. In roofing gutters this can give rise to cracks and leaks. Isola Steel Roofing Gutters expand very little in comparison with gutters of other materials. This makes them specially suitable for harsh climate with highly changeable weather.

## A do-it-yourself product

Isola Steel Roofing Gutters are easy for the layman to install. The fitting instructions (page 7), a few simple tools and the energy to get up there and get started are all you need for a successful result.

# Norwegian quality!

Isola Steel Roofing Gutters are the only Norwegian-produced steel roofing gutter system on the market, and are the product of a long and effective tradition of mastering the Norwegian climate. Continuous product development and careful choice of materials for Norwegian conditions provide tiptop results.

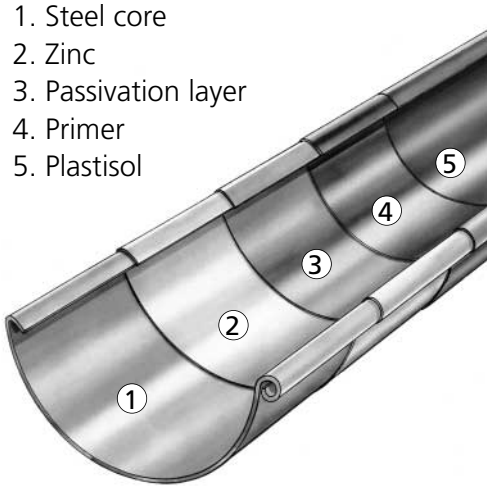
Building style and colour combinations in harmony.
The possibilities are many – and the choice is yours!
Unbeatable combination of strength and appearance!

# Unbeatable combination of

On sunny days Norwegian roofing gutters have an easy life. But when rain, wind, snow and ice are making a frontal attack, special qualities are needed. The combination of steel and plastic gives our roofing gutter system its high resistance and long useful life.

## Construction

1. Steel core
2. Zinc
3. Passivation layer
4. Primer
5. Plastisol




The steel core and subsequent layers give the product strength and durability.

– The zinc coating (hot-dip galvanised protects the steel core from rust attack.

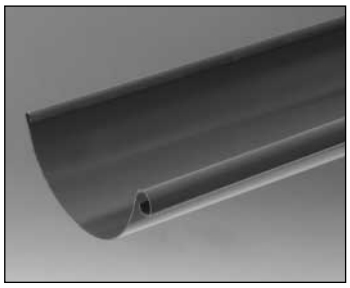
– The plastisol coating with its high gloss and colour fastness provides protection from rust. It also protects from external stresses and wear from water, precipitation, air etc.

Roofing gutters with a plastisol coating require less maintenance and have a substantially longer useful life than traditional painted steel gutters.

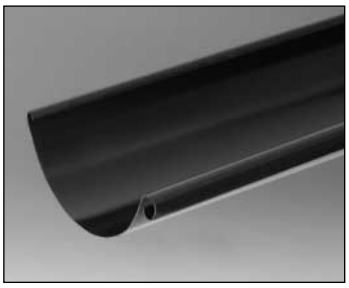
# f strength and appearance!

## Colours

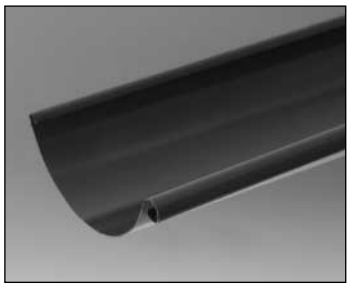
Roofing gutters must harmonise with the rest of the building and contribute to the overall impression of form and colour. With Isola Steel Roofing Gutters you have all of seven colour variants to choose from. Naturally, Isola's roof fittings range also has the same colour choices, allowing gutters and fittings to function as one.



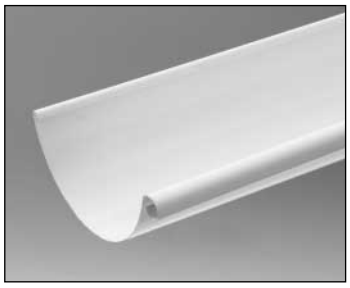
*Red*



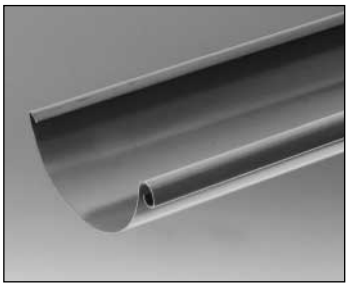
*Black*



*Brown*



*White*



*Grey*

## The finishing touch!

If you want to give your home that really special character, why not opt for copper or silver metallic?

# Complete to the smallest detail!

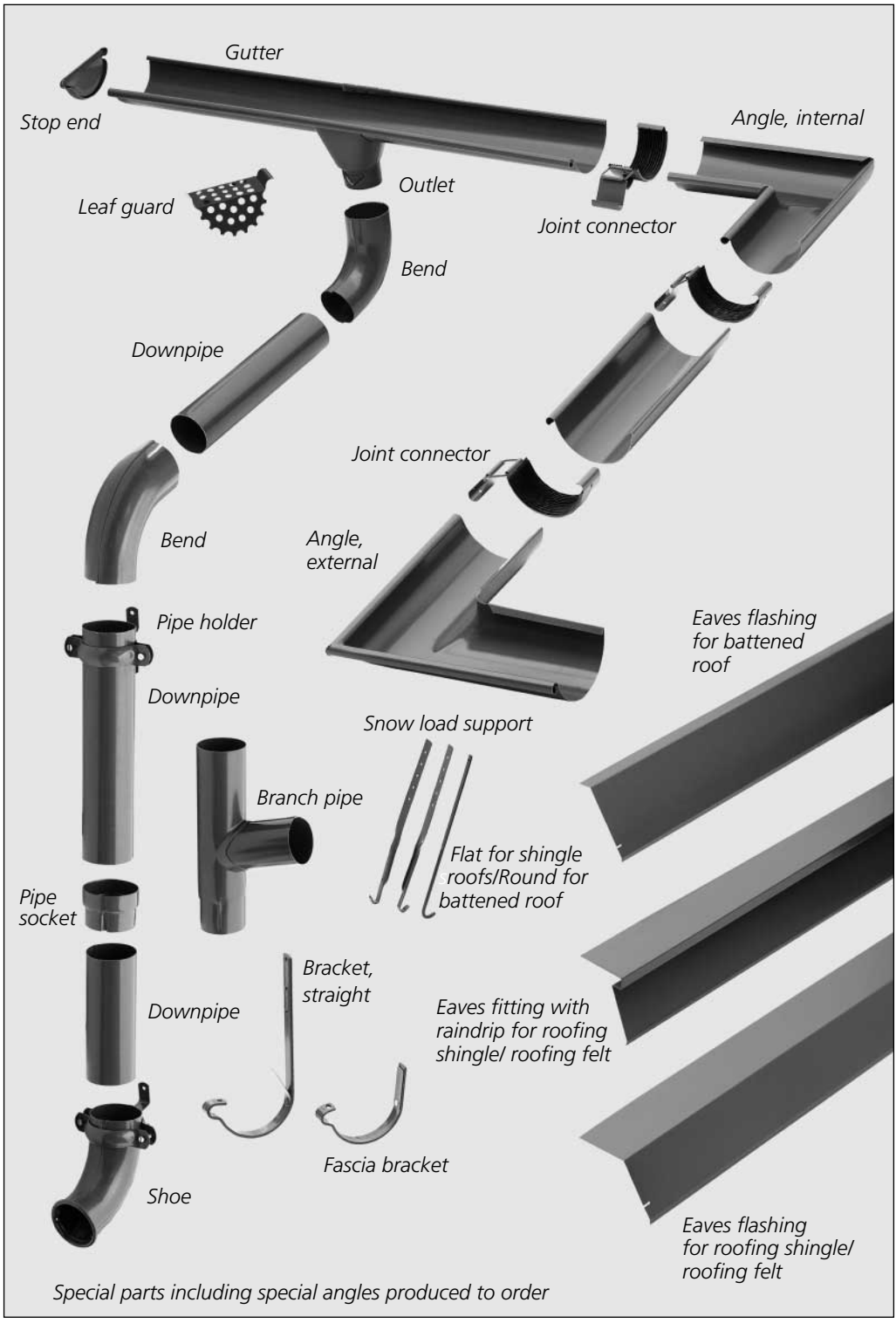
The roof guttering system has a full range of parts and accessories and can be used on any building, new or old, residential or industrial. Individual components are functional and tested to withstand heavy stresses over long periods of time. If you need special parts these can be made to order.

## Stop end

Simple self-locking solution.
Simply press into place.
Guaranteed leak-free.

## Joint connector

Gives a fully watertight joint. The internal gasket provides extra stability from movement.
Quick and easy assembly.

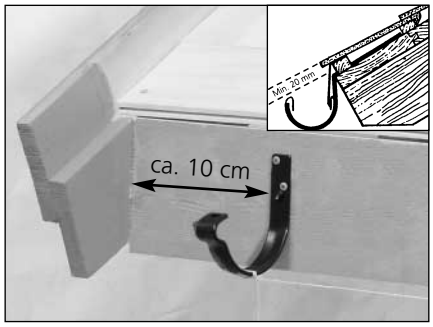


# Simple to install

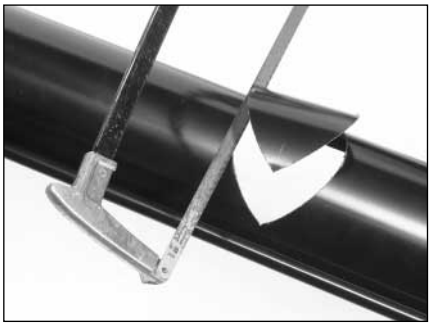
Isola Steel Roofing Gutters can be installed without use of special tools.

What you will need: hammer, drill, screws, rule, cord, awl, hacksaw and level.

NB Gutter lengths with falls to the downpipe must not exceed 10 m.



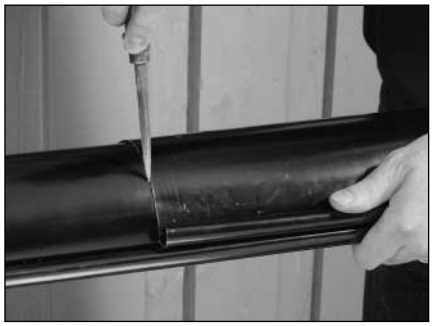

**1.** Start installation about 10 cm from the bargeboard by screwing the fascia bracket at the greatest distance from the expansion outlet to the fascia board. Use galvanised screws 4.5 x 35 mm. Mount the farcia bracket so as to lie at least 20 mm below the extended roofline. String a cord with a fall of 2 mm per metre to a gutter bracket mounted about 10 cm ahead of the downpipe outlet. Mount further gutter brackets on the rafter ends (cc-60).



**2.** Work out and mark off on the gutter the position of the outlet and downpipe. Saw two slanting cuts in the gutter to form an opening of about 9 cm. Knock down the saw edge on the gutter so allow water to escape more freely. Mount the outlet once the gutter is fixed in place (See illus. 7).

**3.** Mount the stop end. Tap into place with the flat of the hand or a hammer and wooden block. Check that the stop end is locked in position. Cut or elbow off the flap facing the fascia board.

**4.** First mount the gutter from the front edge and press into place in the gutter brackets. When using gutter brackets with clamp, force the clamp back over the rear edge of the gutter.

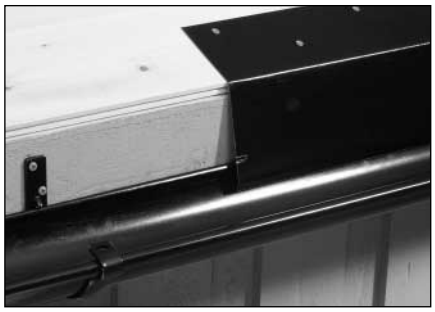


**5.** When making cuts in the gutter it is important to saw at an angle.

**6.** Use joint connectors to join gutter sections. Guide onto the rear edge of the mounted gutter. Position the gutter sections together with a space of about 5 mm, then adjust the joint connector to cover both sections. Hook the joining section onto the front edge, elbow back and press or carefully tap until the locking tab is securely fixed.

**7.** Insert the outlet under the front bead of the gutter. Elbow back and clamp the locking tongues over the rear edge of the gutter. Start assembling the downpipe by fitting the first bend over the outlet. Position the second bend against the wall. Measure the distance between the two bends, cut the inter-mediate pipe to size and mount the second bend. Install pipe holders in the wall, including one pipe holder at the transition between bend and downpipe and one at the outlet or soil pipe connection. Adjust the downpipe to size and mount.

**Once the gutter is fitted, start mounting the eaves flashing. Make a cut of 3 cm in the lower part of the eaves flashing. Lock the overlap by inserting the next flashing section in the cut.**



**8.** Roofs covered with shingles or felt use a special eaves flashing, which is tacked to the roof boards.

**9.** Battened roofs use a special eaves flashing. Where snow load supports are used these should be mounted after the flashing. 0Tack to the battens.