

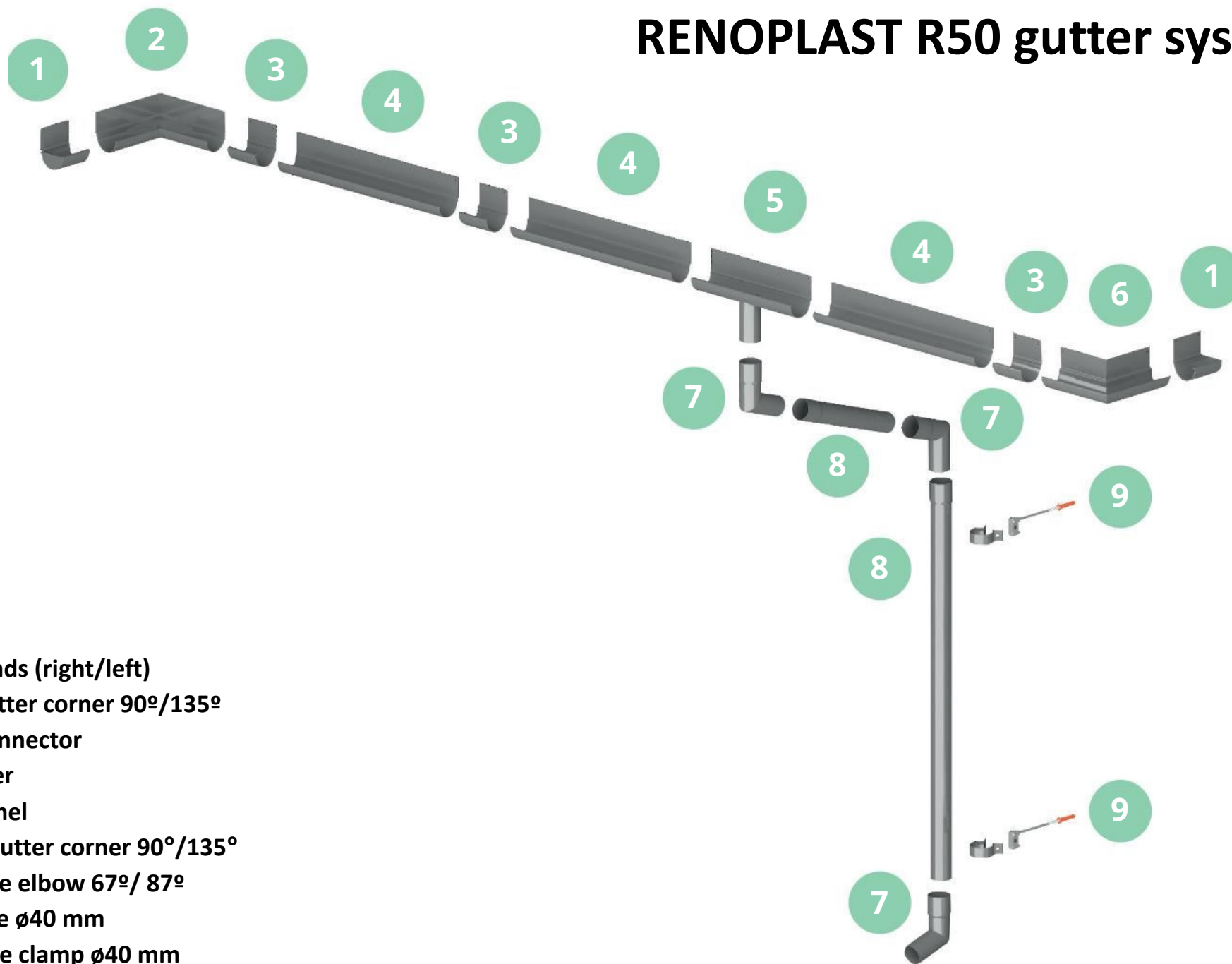
Brief instructions sheet on how to build a balcony/terrace using the

RENOPLAST R50 gutter system

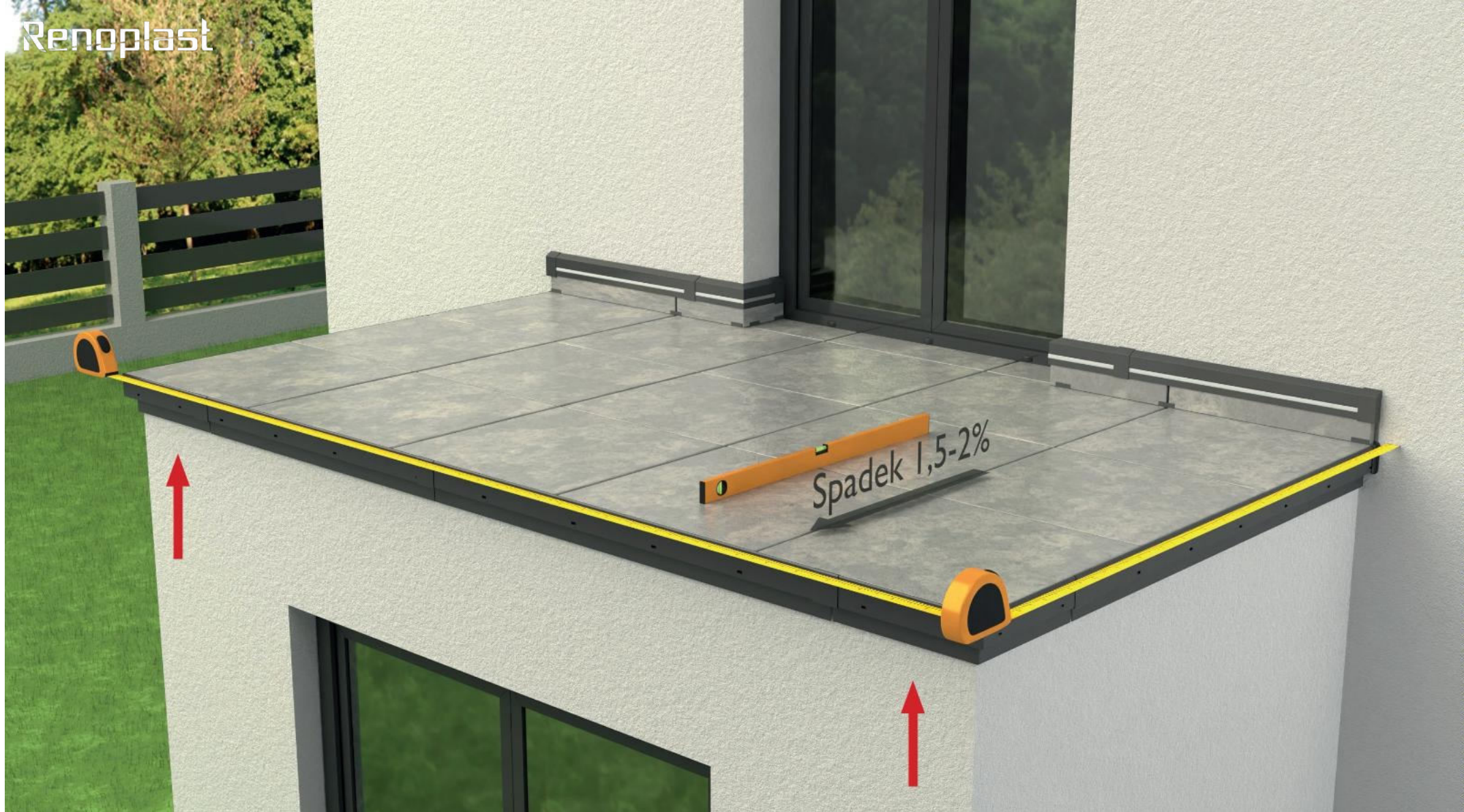
on terraces with Renoplast eaves profiles



Layout of elements of the RENOPLAST R50 gutter system



- 1. Gutter ends (right/left)
- 2. inside gutter corner 90°/135°
- 3. gutter connector
- 4. R50 gutter
- 5. Drain funnel
- 6. outside gutter corner 90°/135°
- 7. Downpipe elbow 67°/ 87°
- 8. downpipe ø40 mm
- 9. Drain pipe clamp ø40 mm



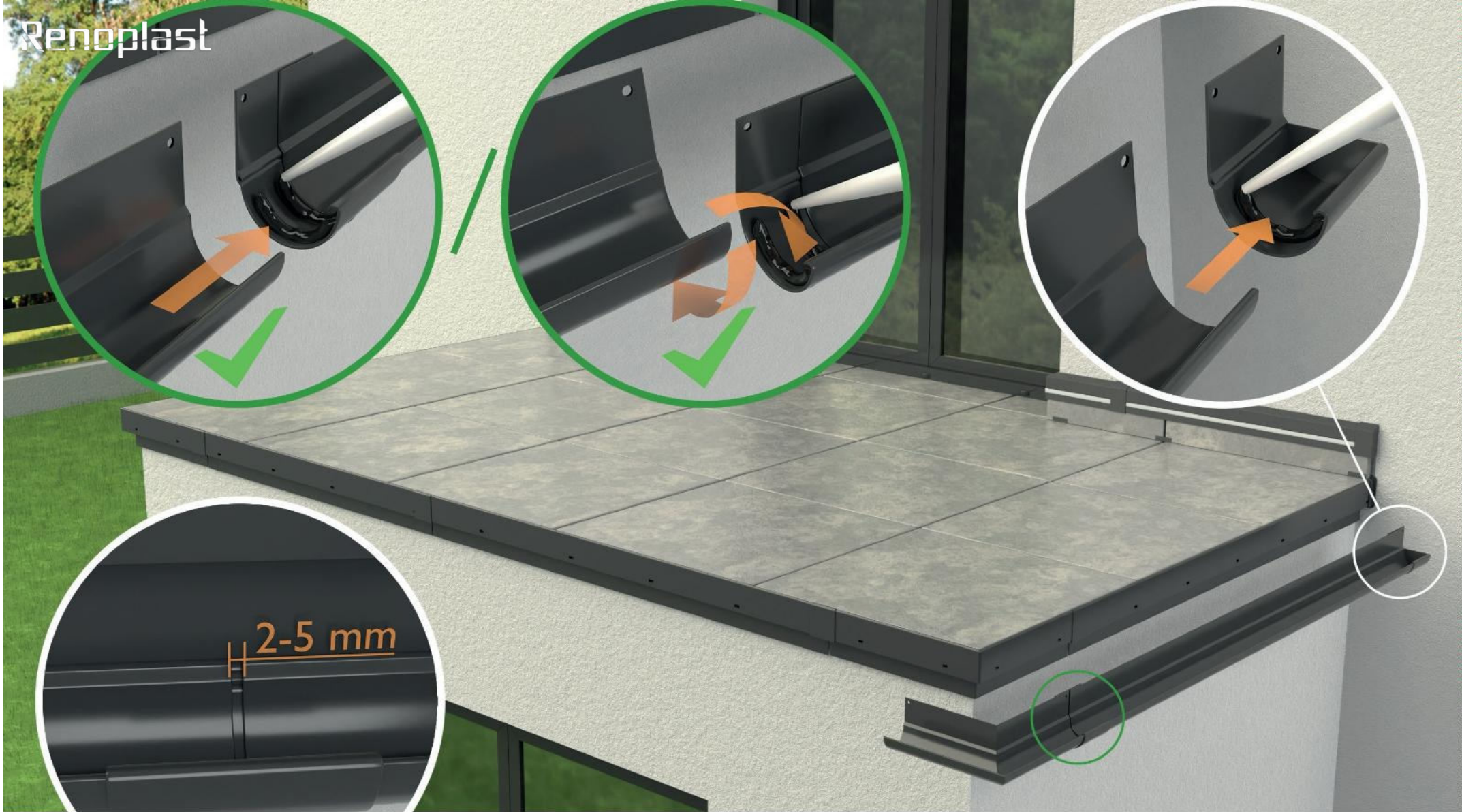
Preparation work

On a terrace/balcony where one of the **Renoplast** eaves profiles (**K10R**, **K20R**, **K35**, **K100R** or **W35**) has been used, we measure the length of the edge of the eaves where the **R50** gutter will be installed, determining where it will be located (in the example drawing it is the end of the terrace). On terraces/balconies with an area of over 20 m², two drains should be made, over 40 m², three, etc.



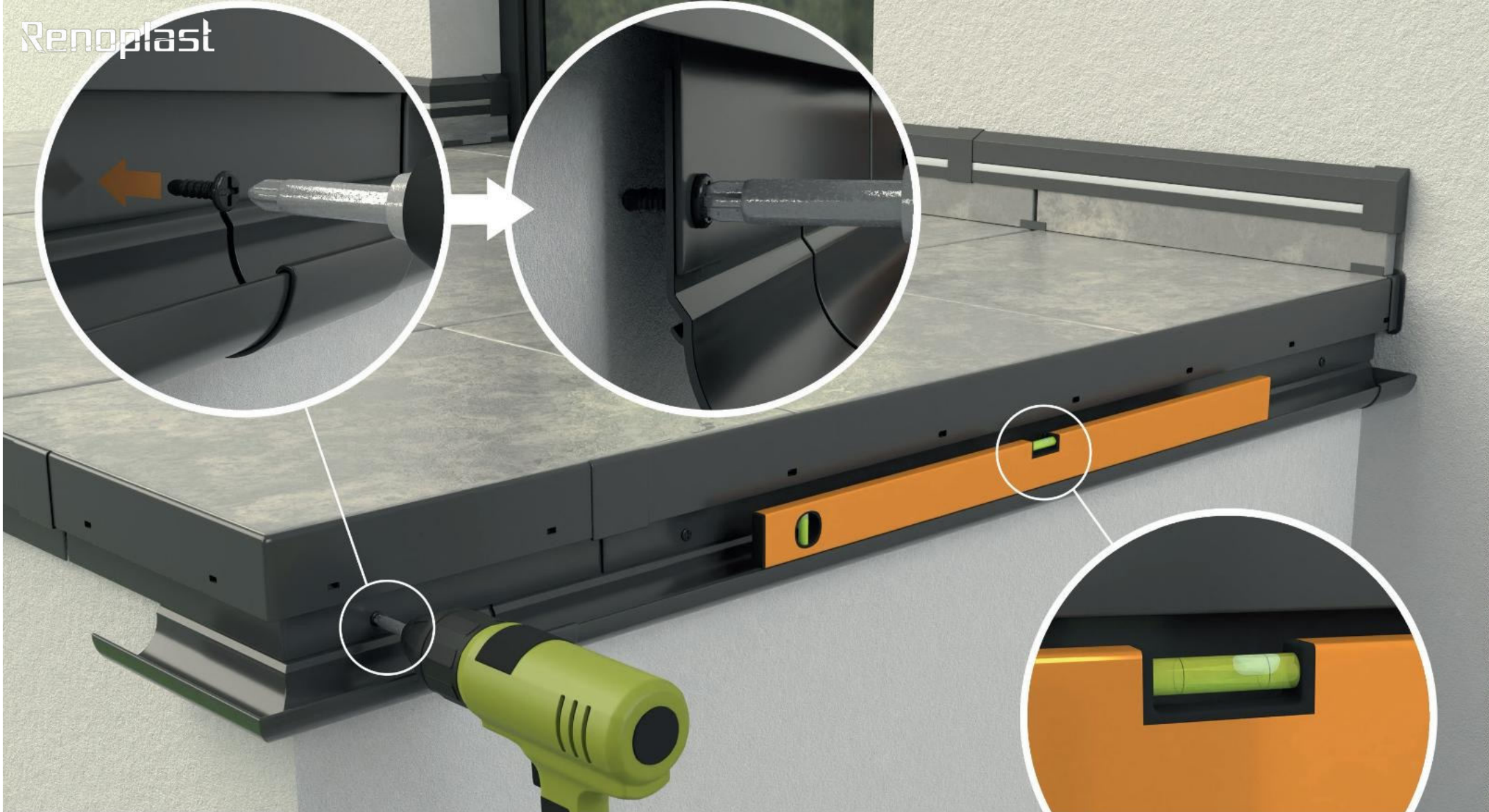
Preparation of straight gutters R50

The next step is to measure straight sections, the purpose of which is to prepare (cut) straight gutters. Straight gutters should be prepared in such a way that expansion gaps are left in places where joints occur with a width of about 2 - 5 mm. Gutters should be cut with a hand hacksaw or a power saw with a suitable saw aluminum cutting blade. Cutting with other tools can damage the paint coating, which is unacceptable.



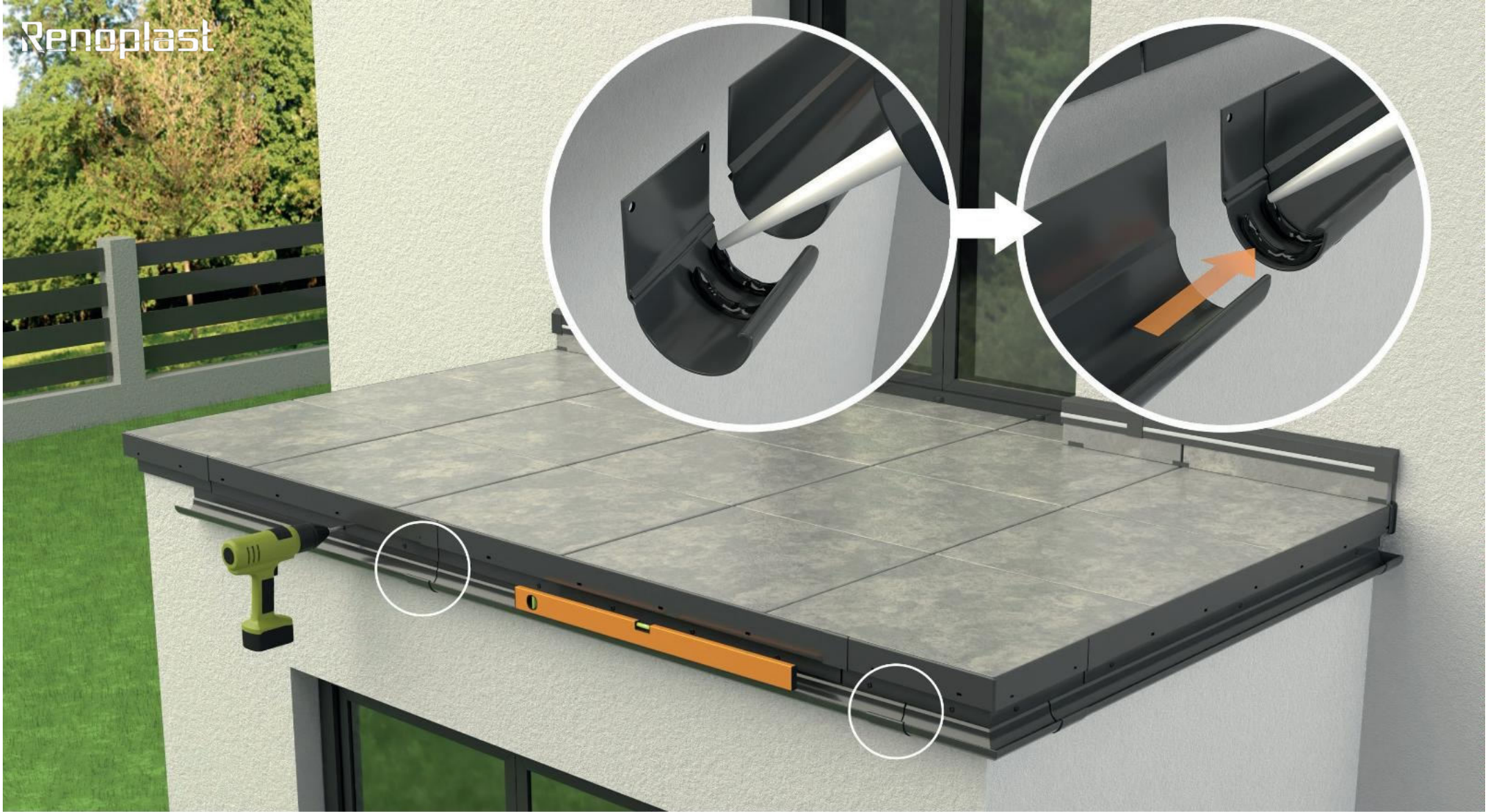
Assembling the R50 gutter set with a corner and connectors

Gutter connections are made using connectors. Before making the connection to the inner surface of the fastener we apply a flexible seal (e.g. polyurethane) and then make a connection, leaving a gap 2-5 mm between joined elements.



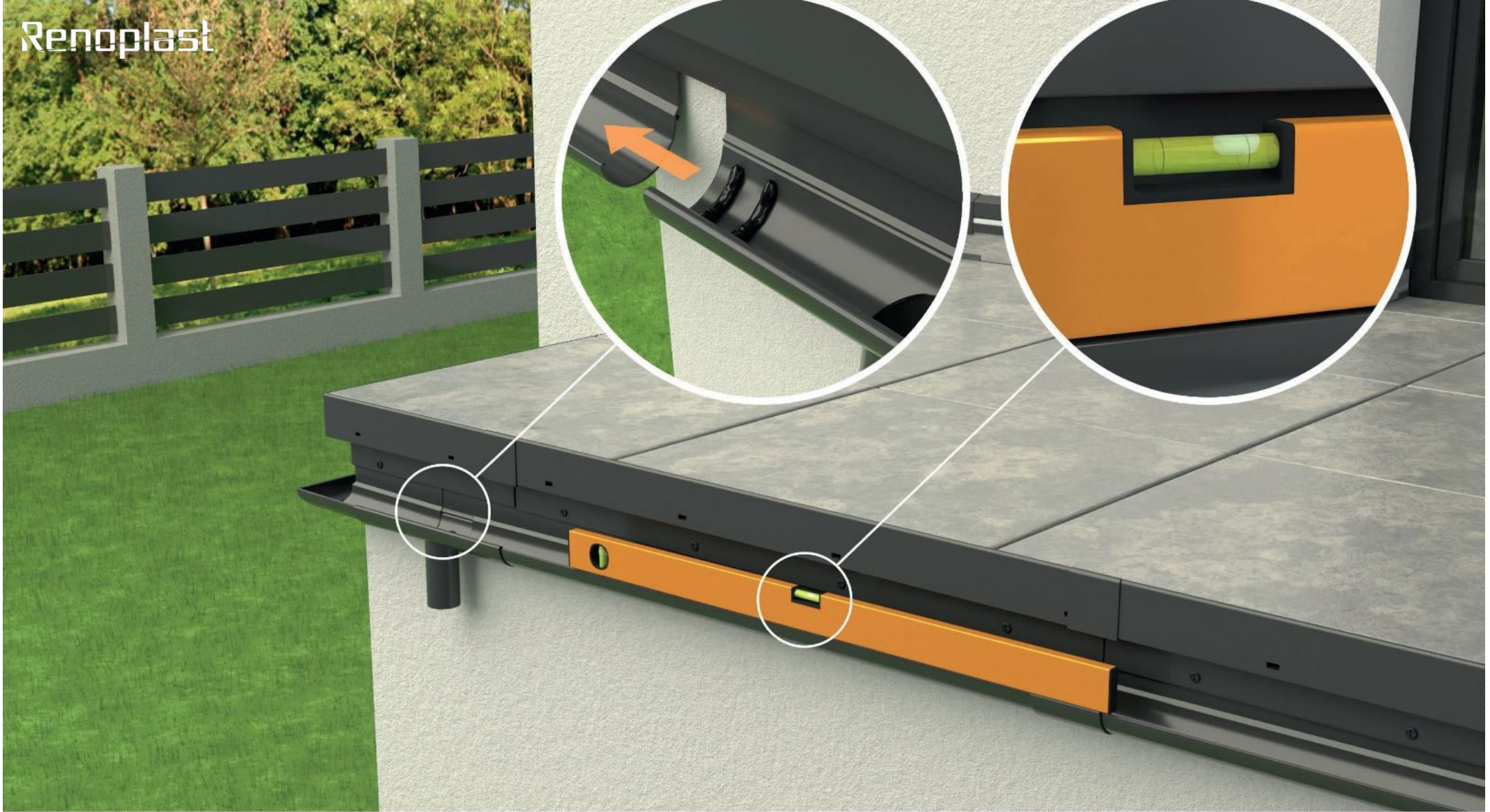
Installation of the first section of the R50 gutter to the eaves profile

We slide the previously prepared set under the gutter strip of the eaves profile, setting the appropriate slope mechanically, using self-drilling screws (included with the gutters).



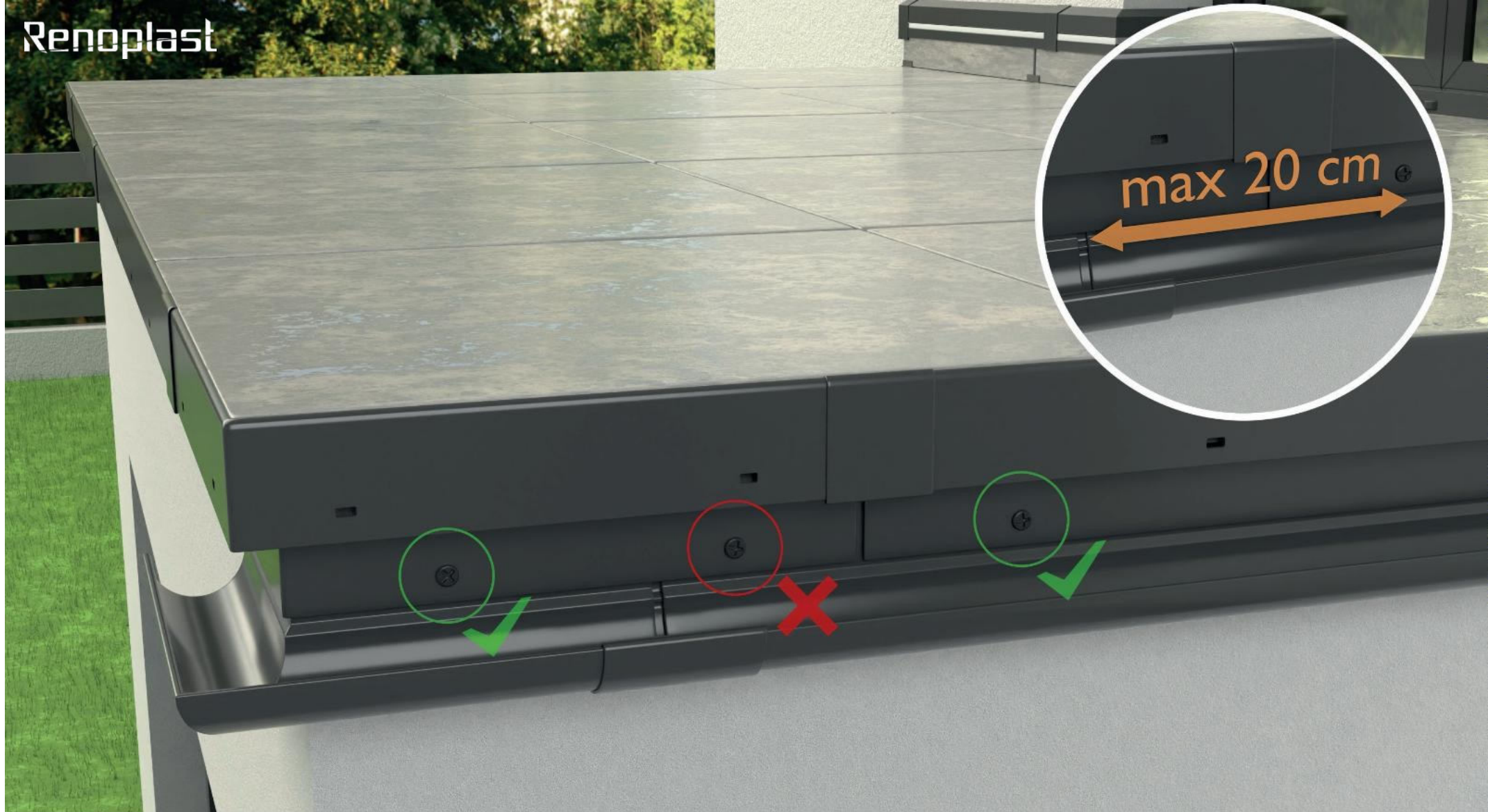
Installation of subsequent sections of the R50 gutter to the eaves profile

The installation of the subsequent sections is carried out in the same way as the first section.



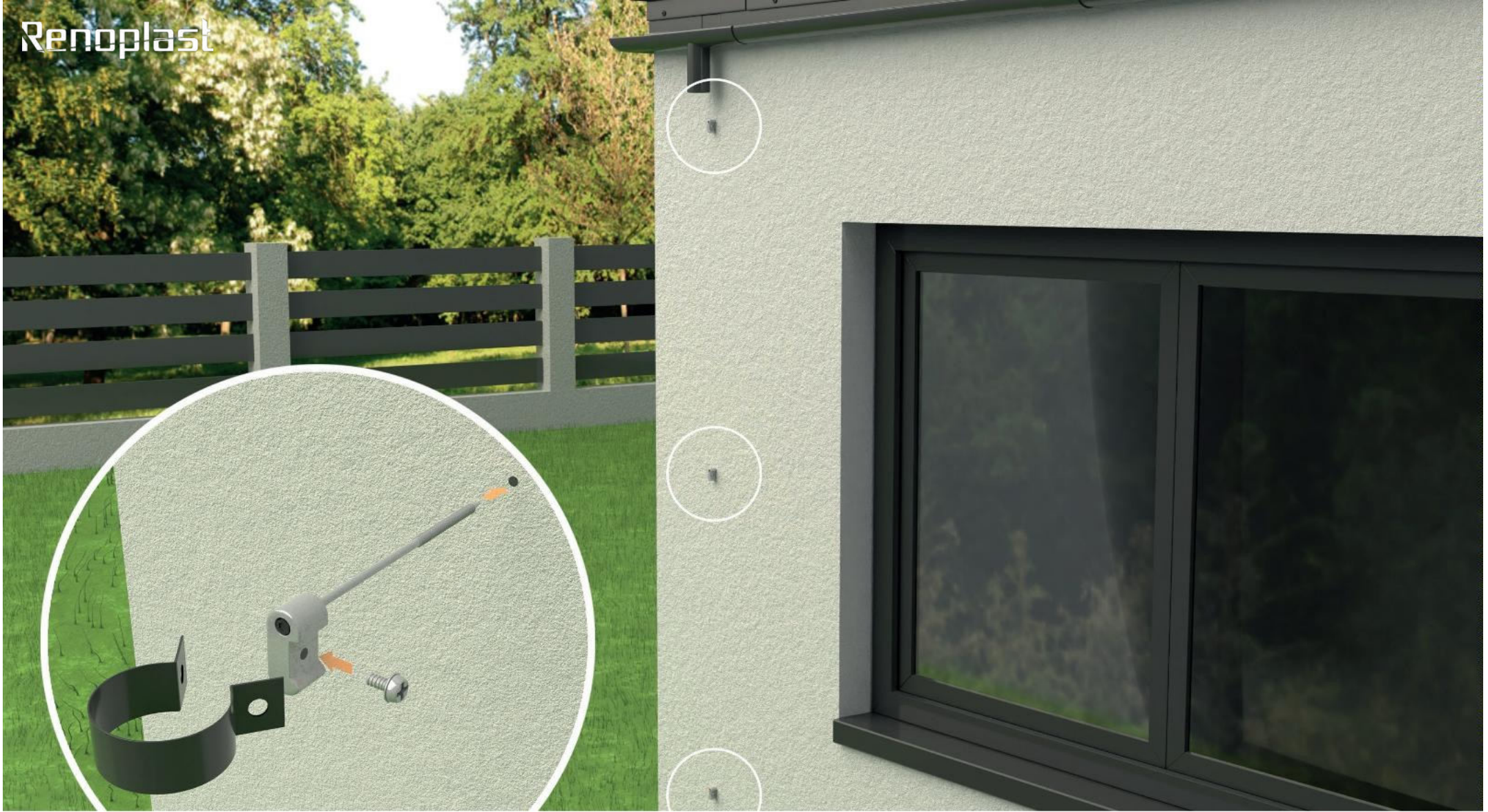
Gutter inlet installation

Install the gutter inlet in the previously designated place (this is the lowest level of the gutter).



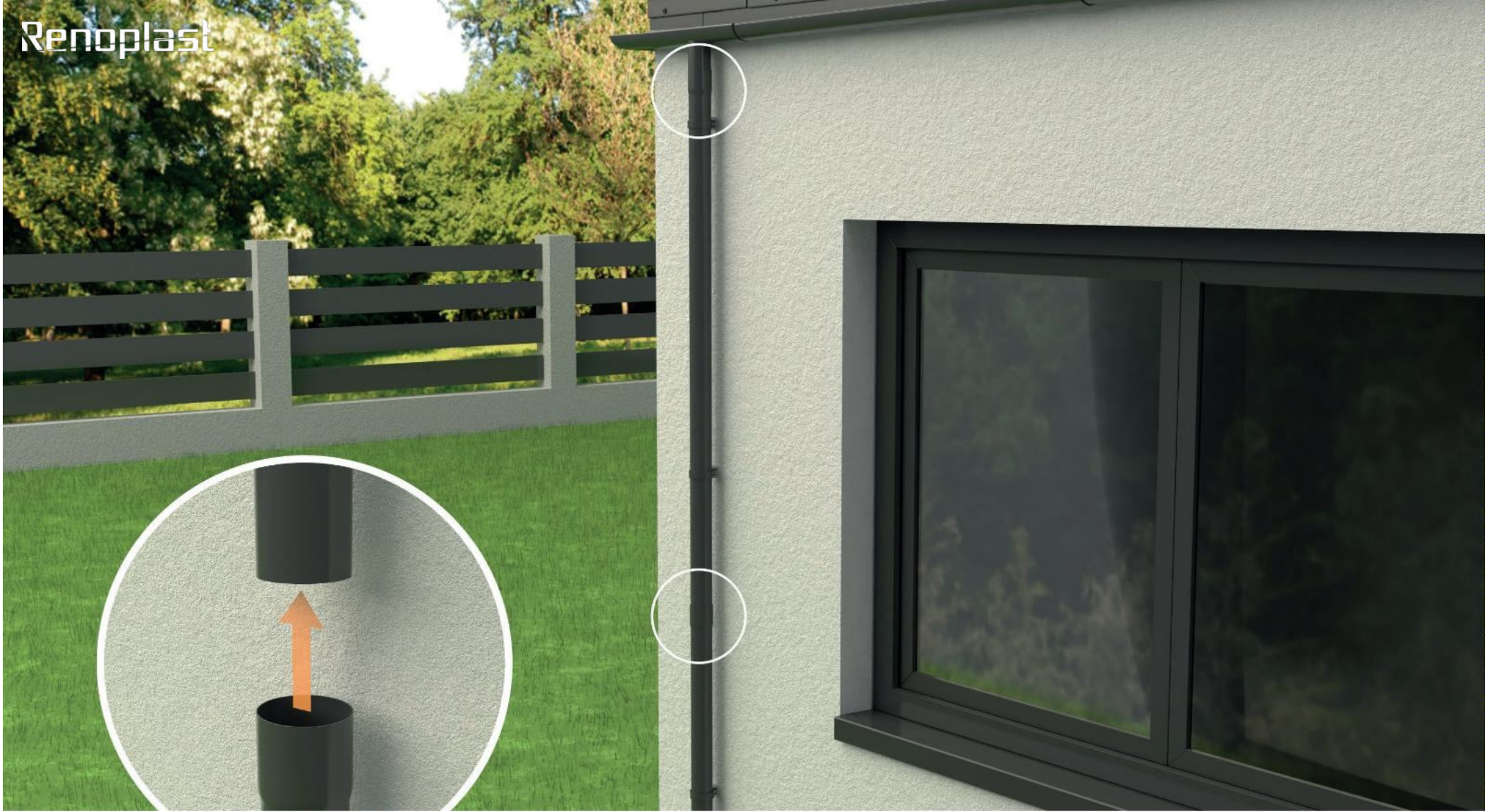
Installation details of R50 gutters

Short sections of the **R50** gutter should be fastened in min. 2 points. The extreme attachment point should be away from edge of the gutter not more than 20 cm. Gutter connections should not be more than 20 cm away from profile connections. The method of fixing the gutters should exclude cases where one section of the **R50** gutter would be fastened to two different eaves profiles.



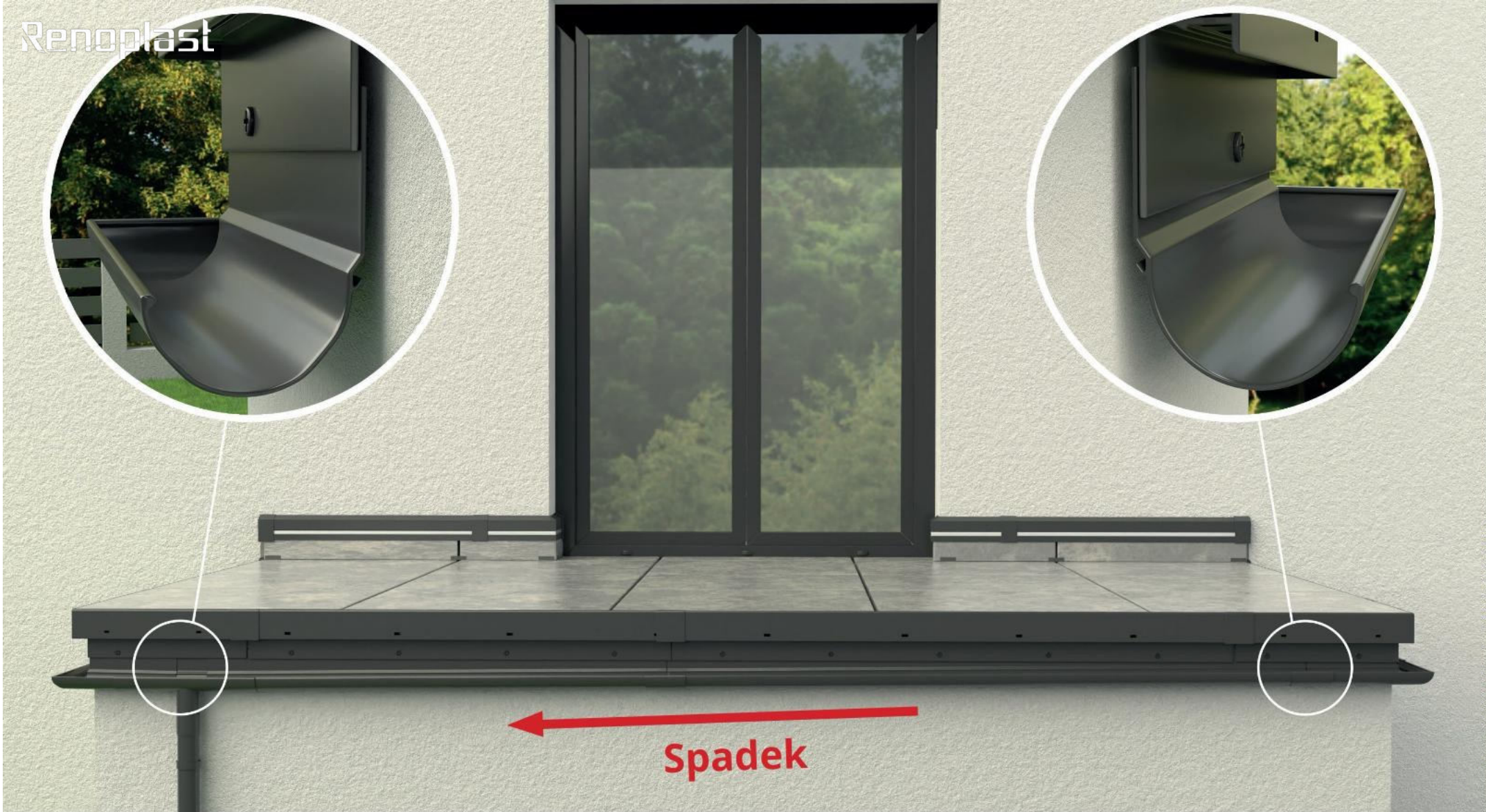
Installation of downpipe clamps

The downpipe clamps are fastened in the axis of the gutter inlet. Recommended maximum spacing between pipe clamps 200 cm long drain pipe should be 180 cm.



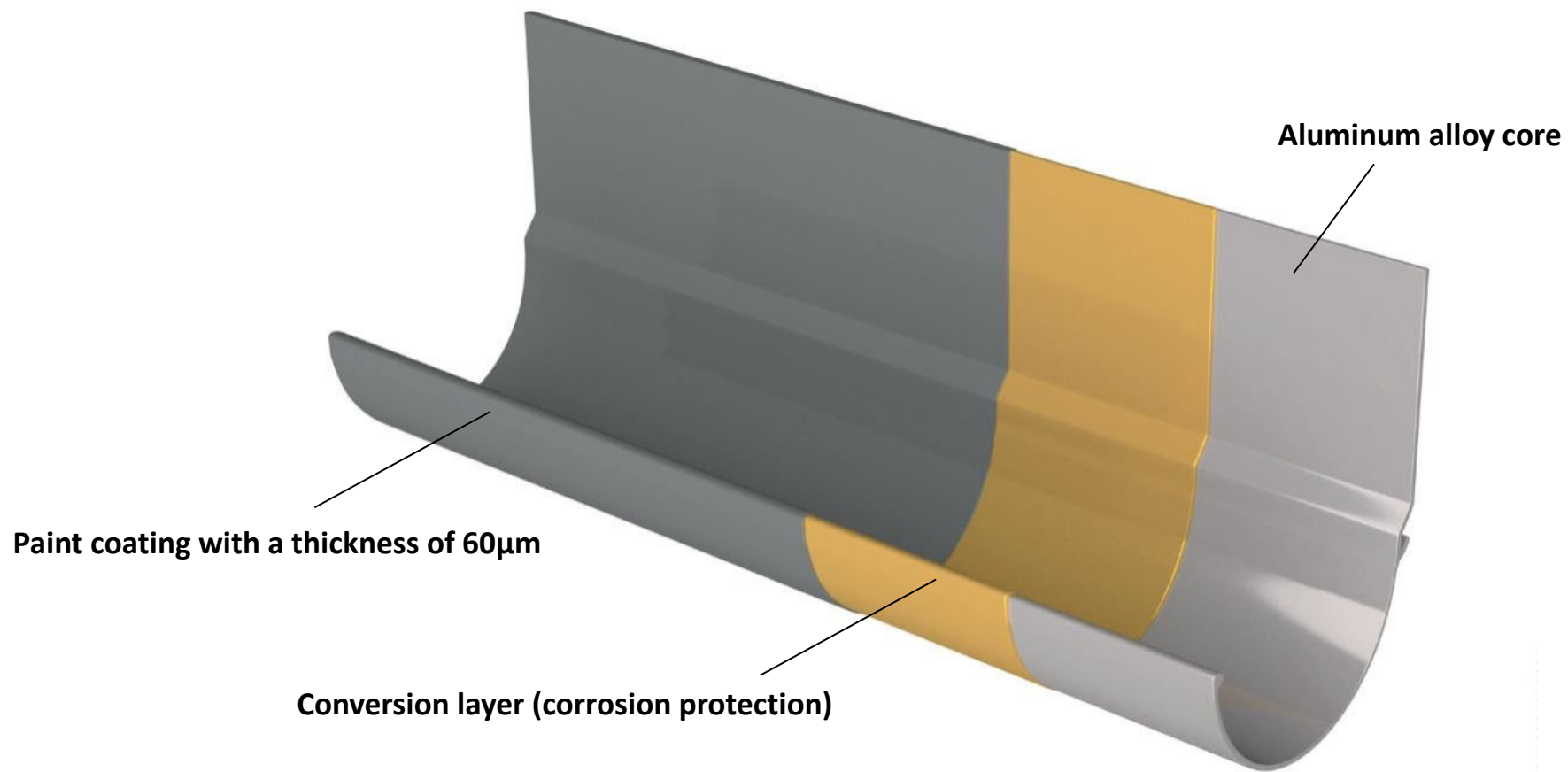
Installation of downpipes

Downpipes have socket connections. In addition to straight downpipes, 87° and 67° elbows are available.



Setting the slope of the R50 gutters

The slope on the **R50** gutter is adjusted by extending the **R50** gutter from under the gutter flashing on the eaves profile. The maximum height difference between the extreme positions of the **R50** gutter is about 28 mm.



COMMENTS:

All elements of the **Renoplast R50** gutter system are powder coated in an internal powder paint shop according to Qualicoat standards.