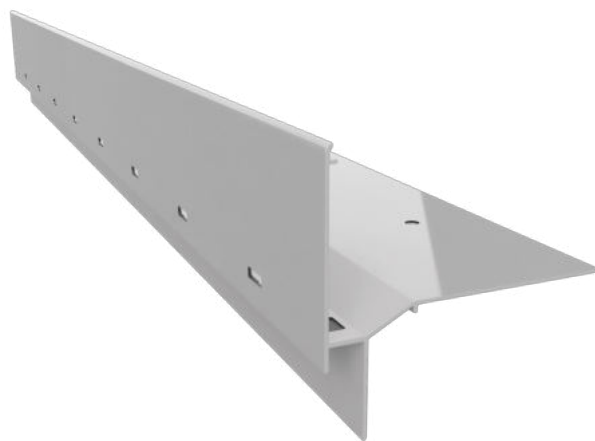


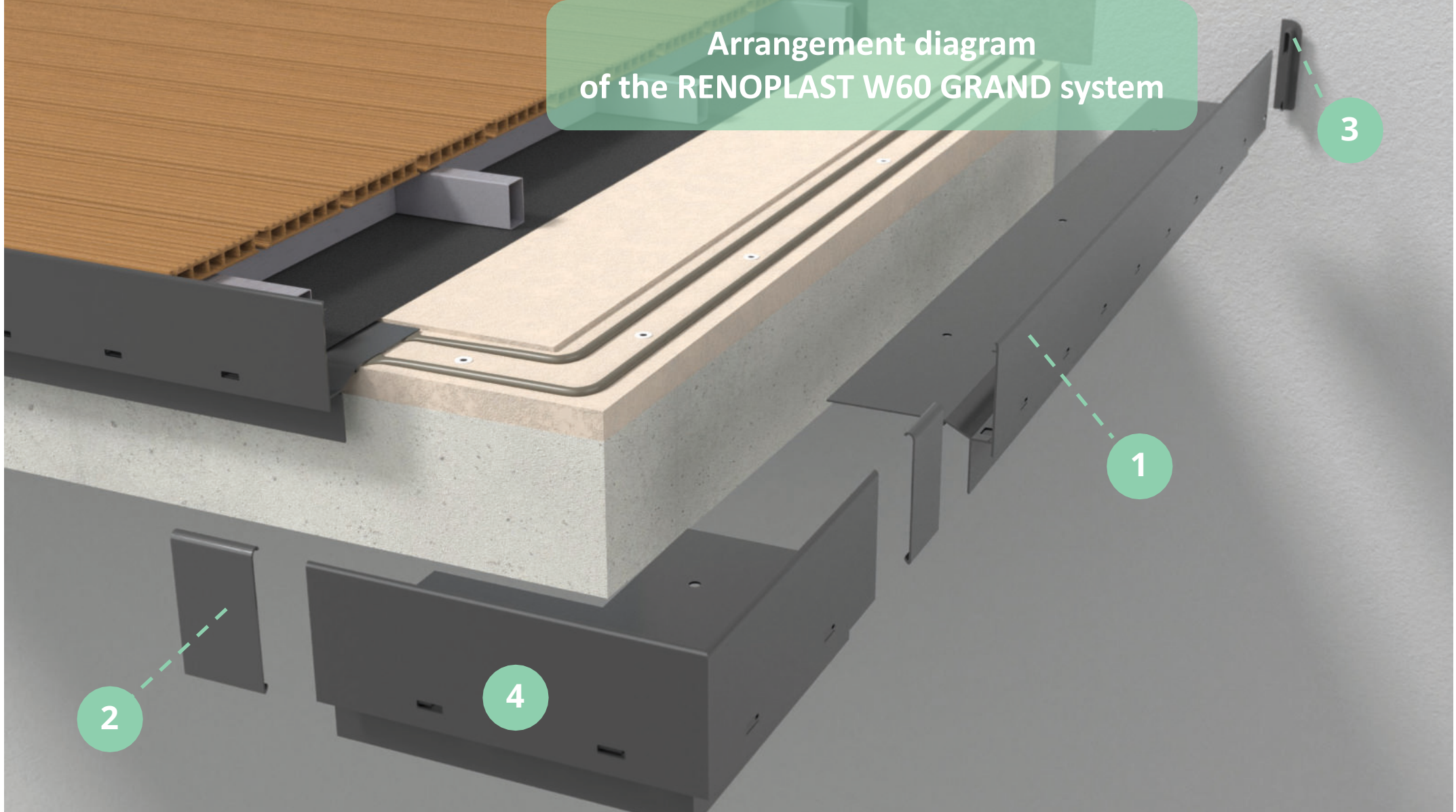
Brief instructions for constructing a balcony/terrace using the

RENOPLAST W60 GRAND

with a floor made of a terrace board on joists



Arrangement diagram
of the RENOPLAST W60 GRAND system



Profile W60 200 cm long



1

Connector
LW60



2

End stops OPW60
(left/ right)



3

Outside corner 90
NZ W60/90°

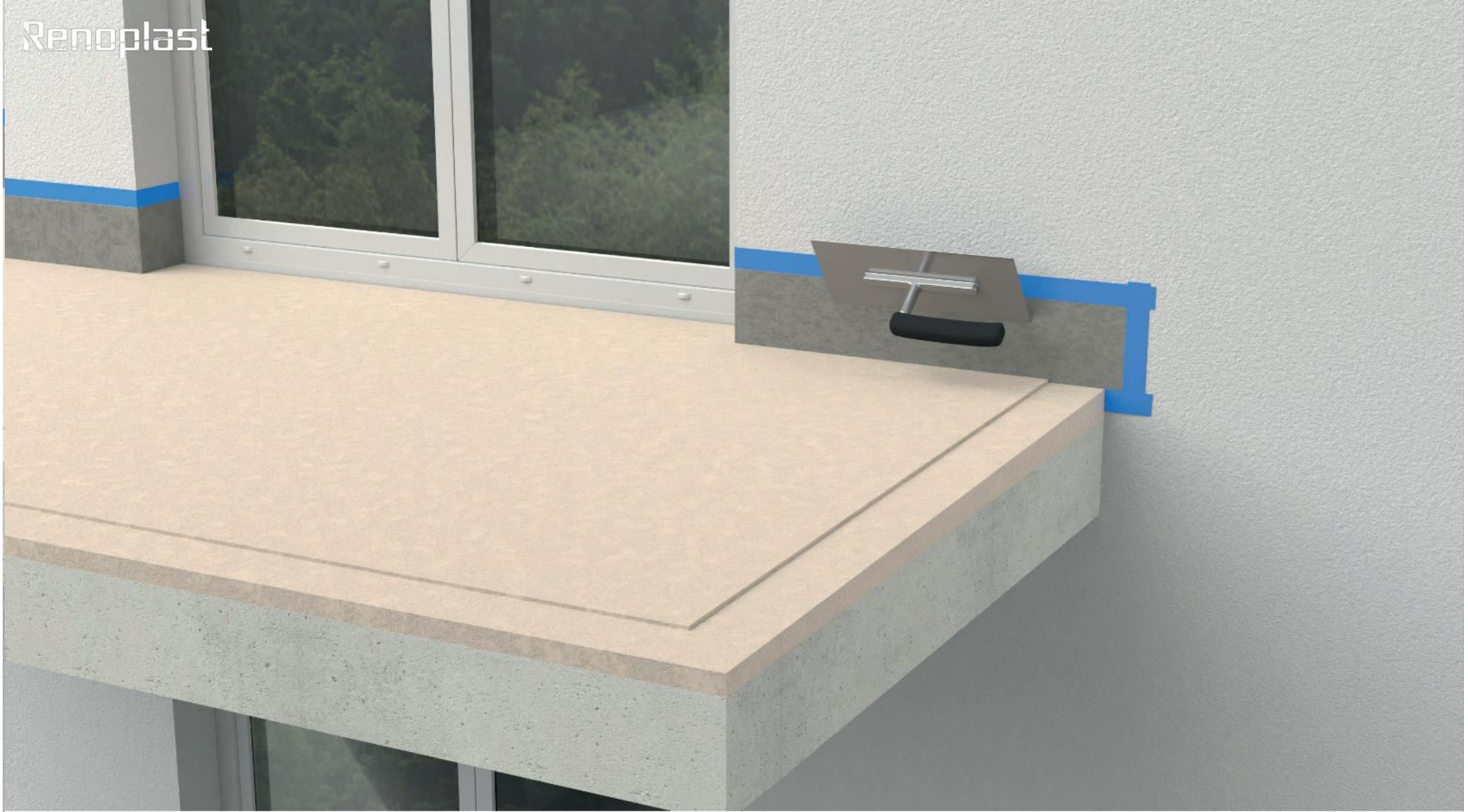


4



Balcony/terrace floor bases

The subfloor should be even and load-bearing with a slope of 1.5 - 2 % towards the leading edge. It is recommended that along the edge of the underlay, along the width of the installed profile of 80 mm, the underlay should be lowered to a depth of about 3 mm, so that the installed profile is flush with the underlay.



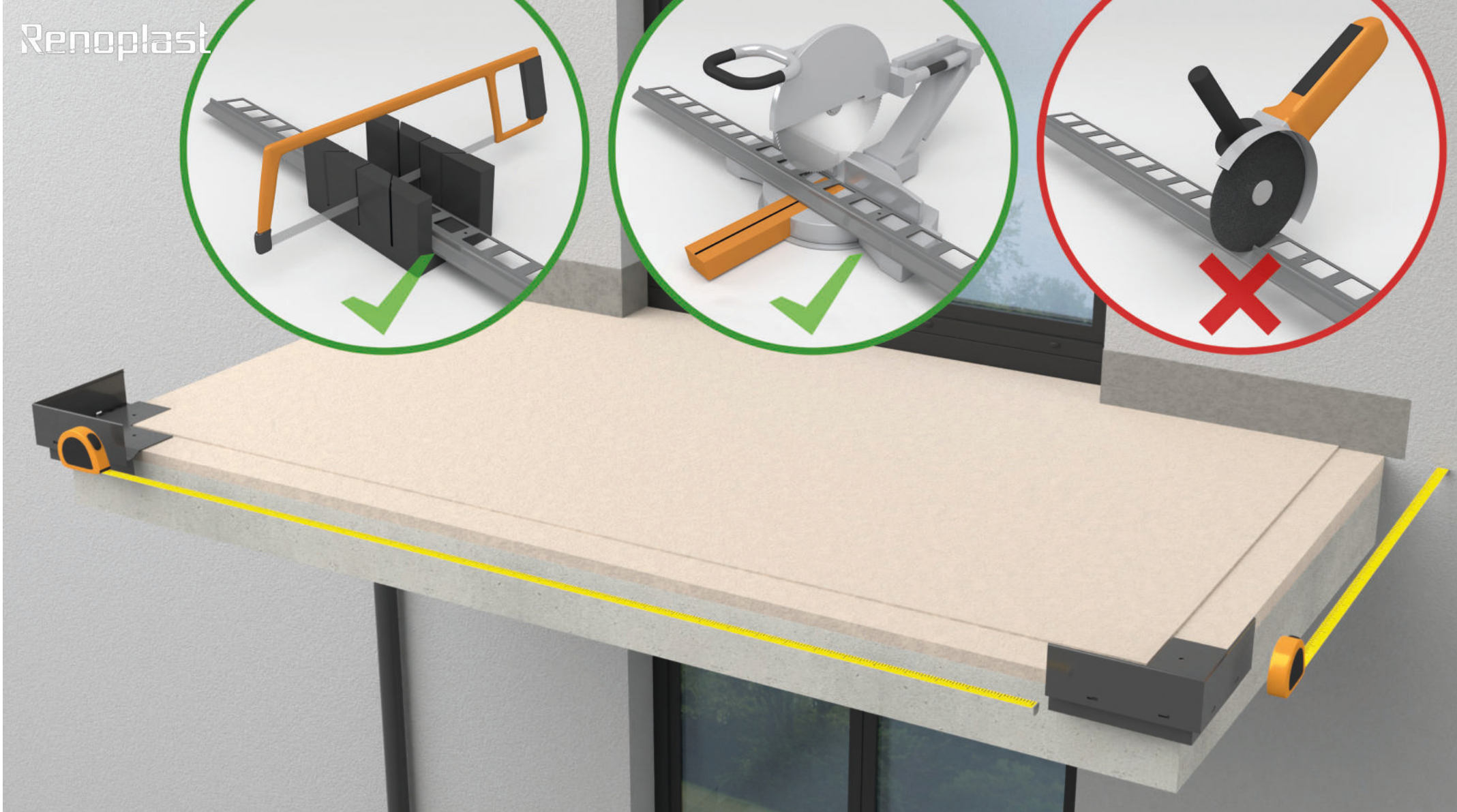
Base for plinth insulation

The base for the insulation on the wall should be smooth and load-bearing.



Pre-assembly of the NZ W60/90 corners

The work begins with pre-assembly of the corners, using the wall plugs (wall plugs included in the kit).



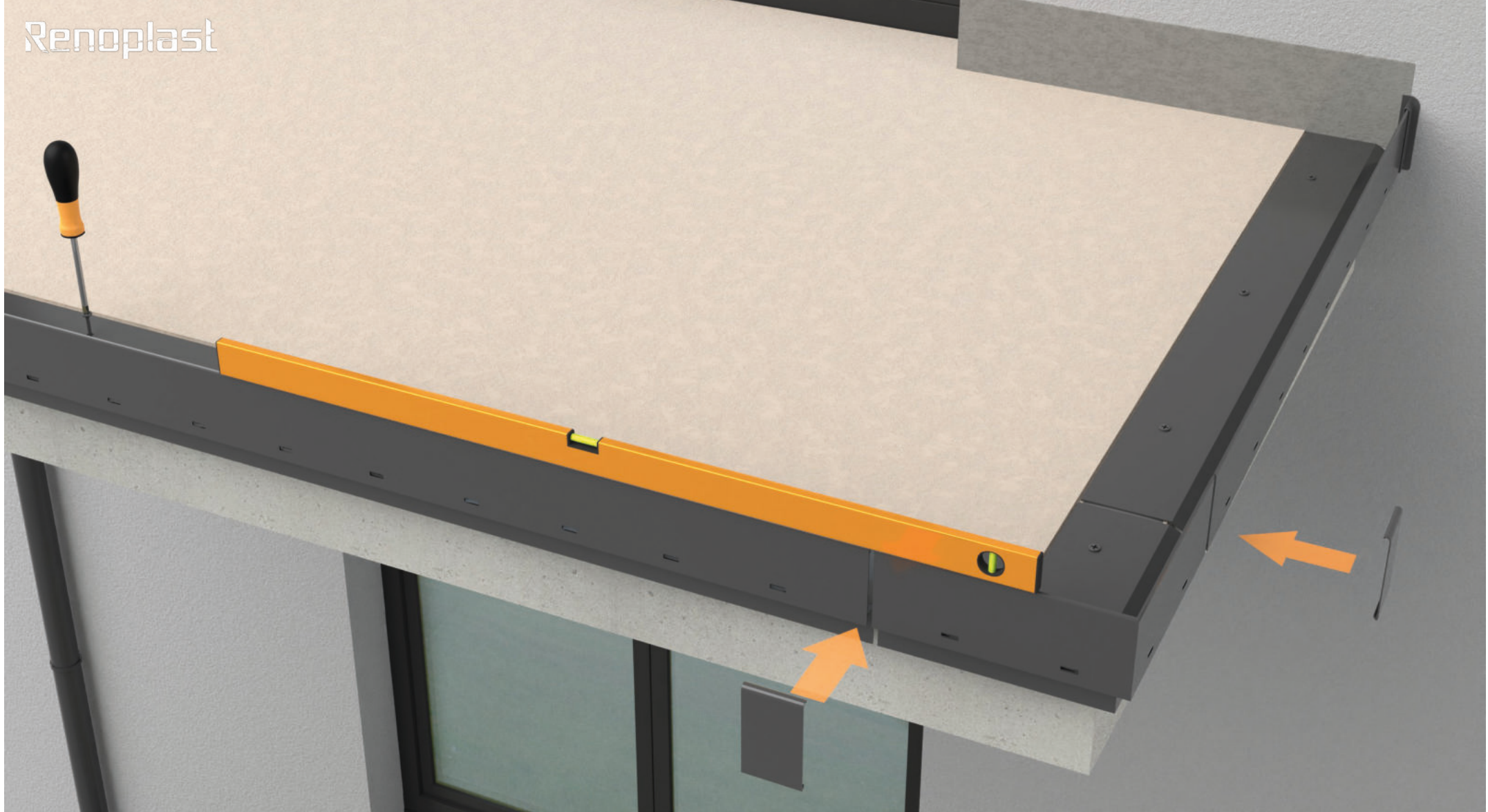
Preparation of the W60 straight profiles

The next step is to measure the straight sections to prepare (cut) the straight profiles. Straight profiles should be prepared in such a way as to leave expansion gaps of approx. 2 mm at the joints and a space for placing the **OPW60** end stops at the wall. The profiles should be cut with a hand-held metal saw or a mechanical saw with a suitable blade for cutting aluminium. Cutting with other tools may damage the paintwork, which is not acceptable.



Installation of NZ W60/90 corners

The corners are set on a flexible compound (e.g. polyurethane), and then fixed mechanically using the previously placed set wall plugs.



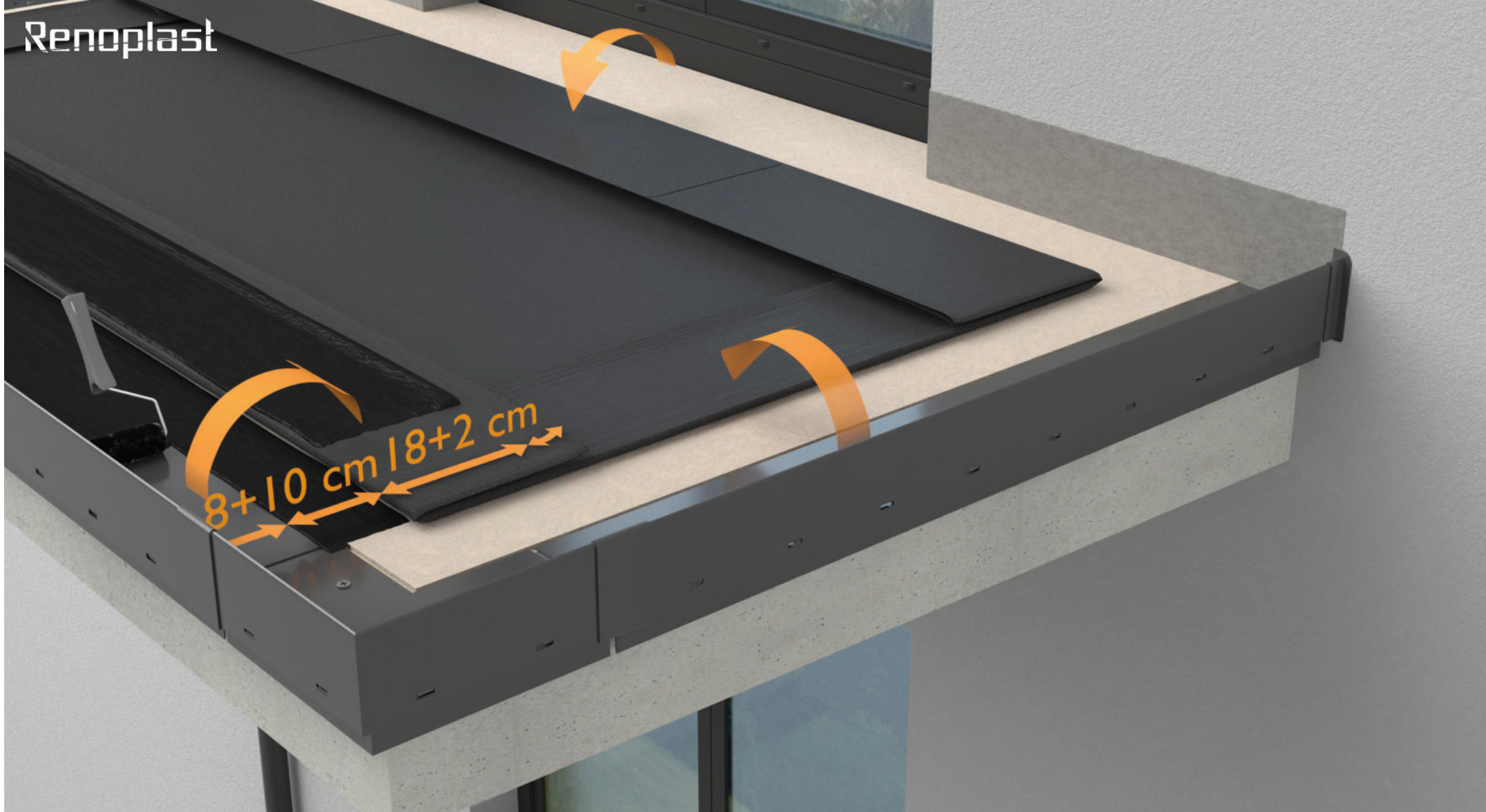
Installation of the W60 straight profiles

Fit the straight profiles in the same way as the corners. Using a piece of string stretched between the corners and a spirit level, make sure they are installed evenly.



Execution of EPDM membrane insulation - preparation

Spread the **EPDM membrane** on the surface of the base, leaving it for about 60 minutes to straighten it and removal of bends caused in transport. Then cut the membrane taking into account the surface to be glued to profiles, flanges on the wall and overlaps between individual strips.



Adhesion of the EPDM membrane to the substrate

The **EPDM membrane** is glued with **KS137** adhesive to the substrate circumferentially over a width of 20 cm, over the entire width of the plinth and surface of **W60** profiles and **NZ W60/90 corners**. The adhesive is applied both to the substrate and to the membrane. Connection membranes with the substrate are made after about 5-15 minutes, pressing the membrane with a roller over the entire joint surface.



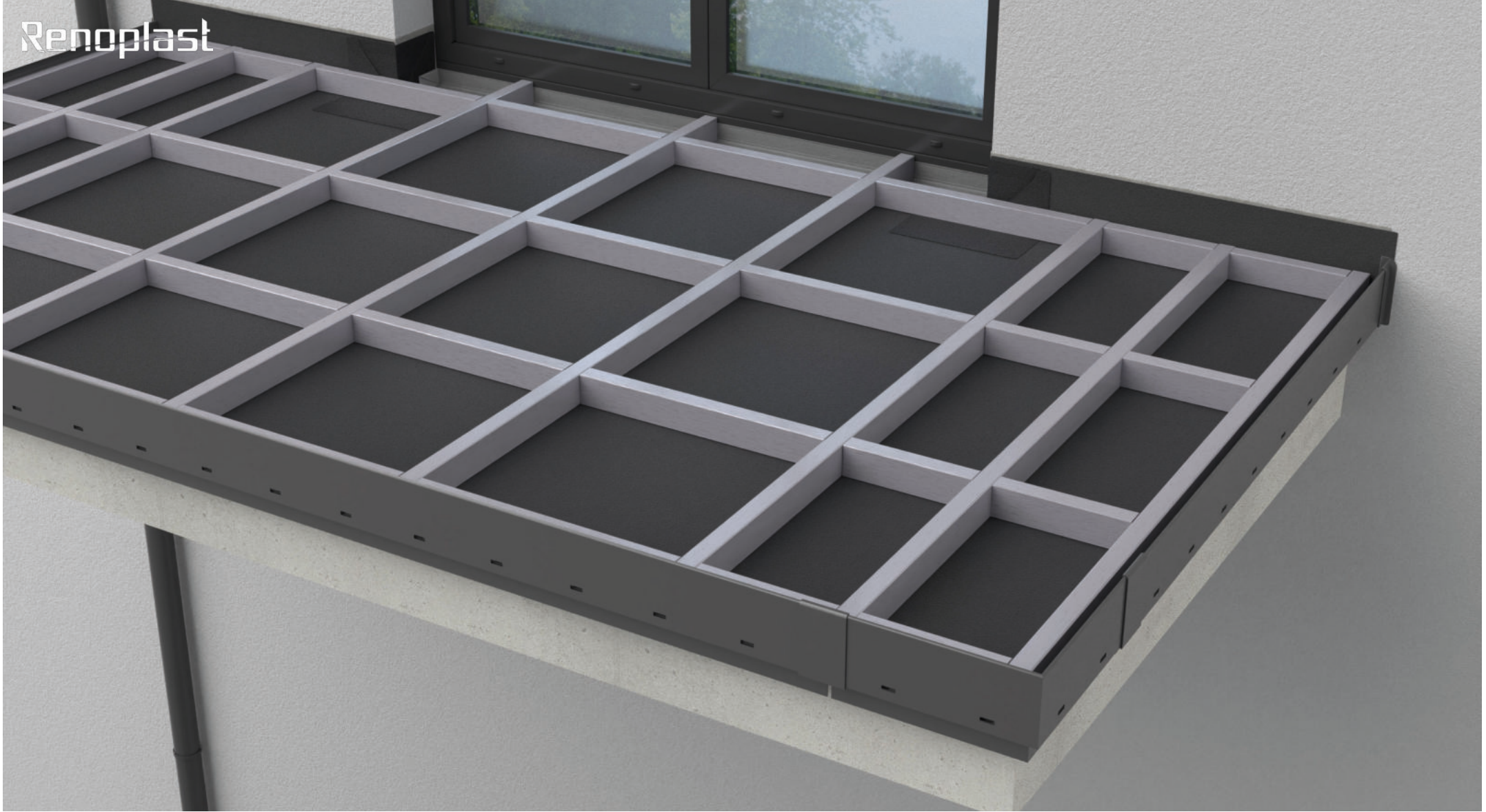
Sealing of EPDM membrane joints

Along the edge of the **EPDM membrane**, unroll the membrane 2 cm wide and apply the **KS96** elastic sealant, press the membrane with a roller so that the sealant flows out from under the edge of the membrane. We make the seal both on membrane assemblies and connections with the eaves profile **W60**.



Sealing the threshold area of the balcony door

The corners of the balcony door jambs are sealed by gluing prefabricated external **EPDM corners**. Corners glue on **KS137** glue and seal the edge of the corner with **KS96** sealant. Joining the **EPDM membrane** with the threshold of the balcony door, we use reinforced **EPDM adhesive tape with a layer of butyl**.



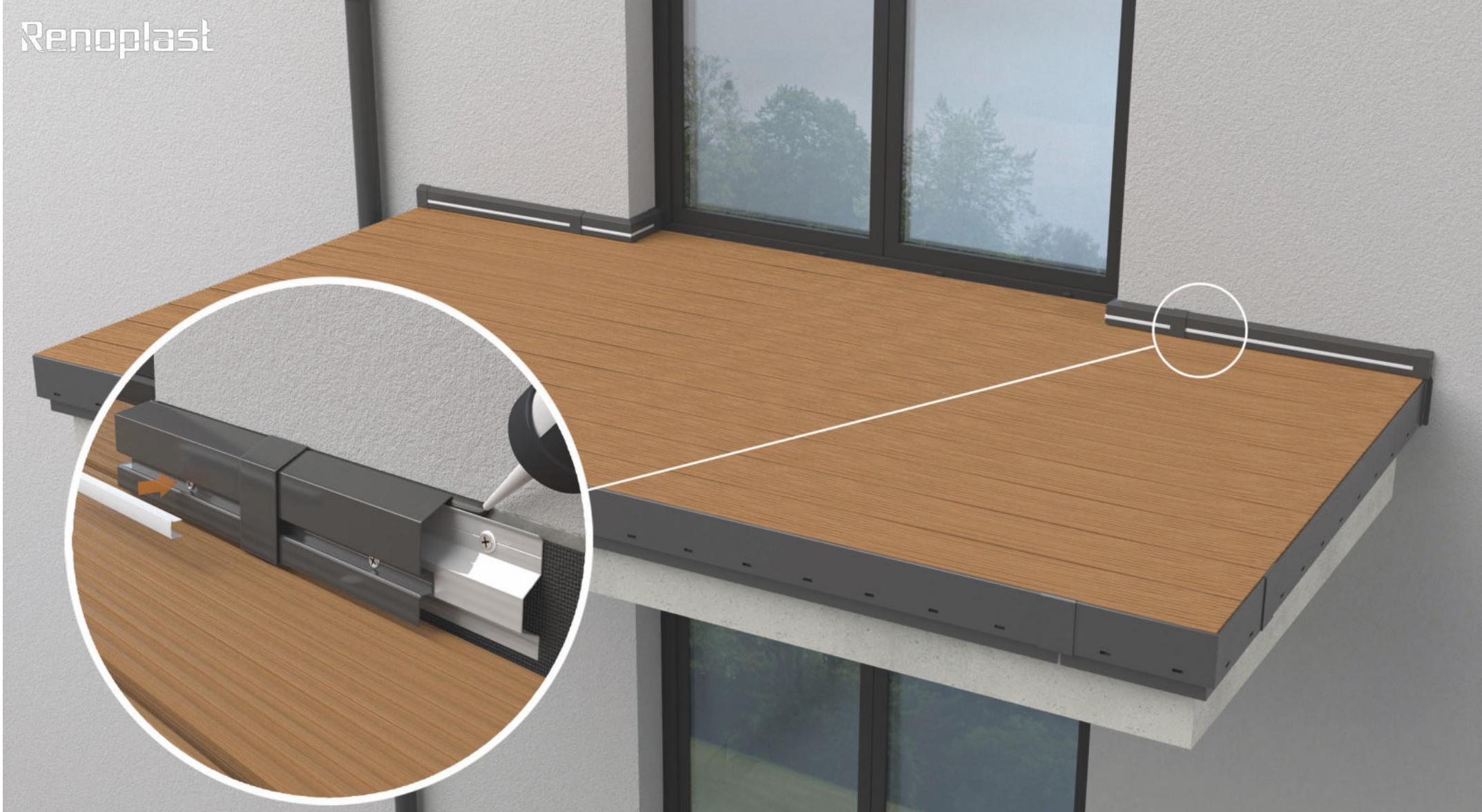
Laying joists

The joists should be arranged in the spacing recommended by the manufacturer of the board lining. The joists should not be screwed to the ground.



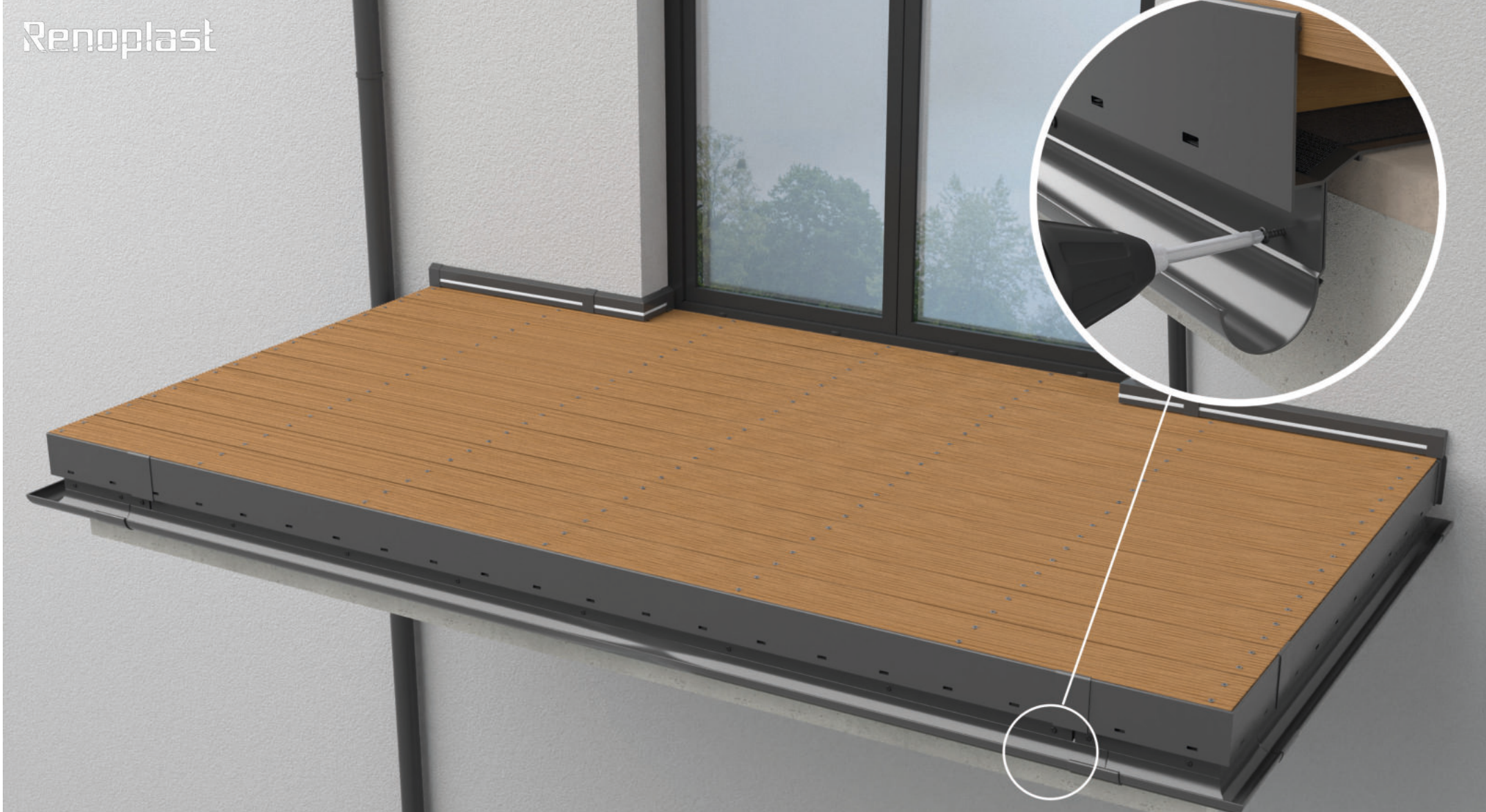
Laying the terrace board

We cut the terrace boards and lay them on the joists with minimal expansion joints. Screw the boards to joists using the so-called mounting clips. During installation, be careful not to damage the waterproofing layer.



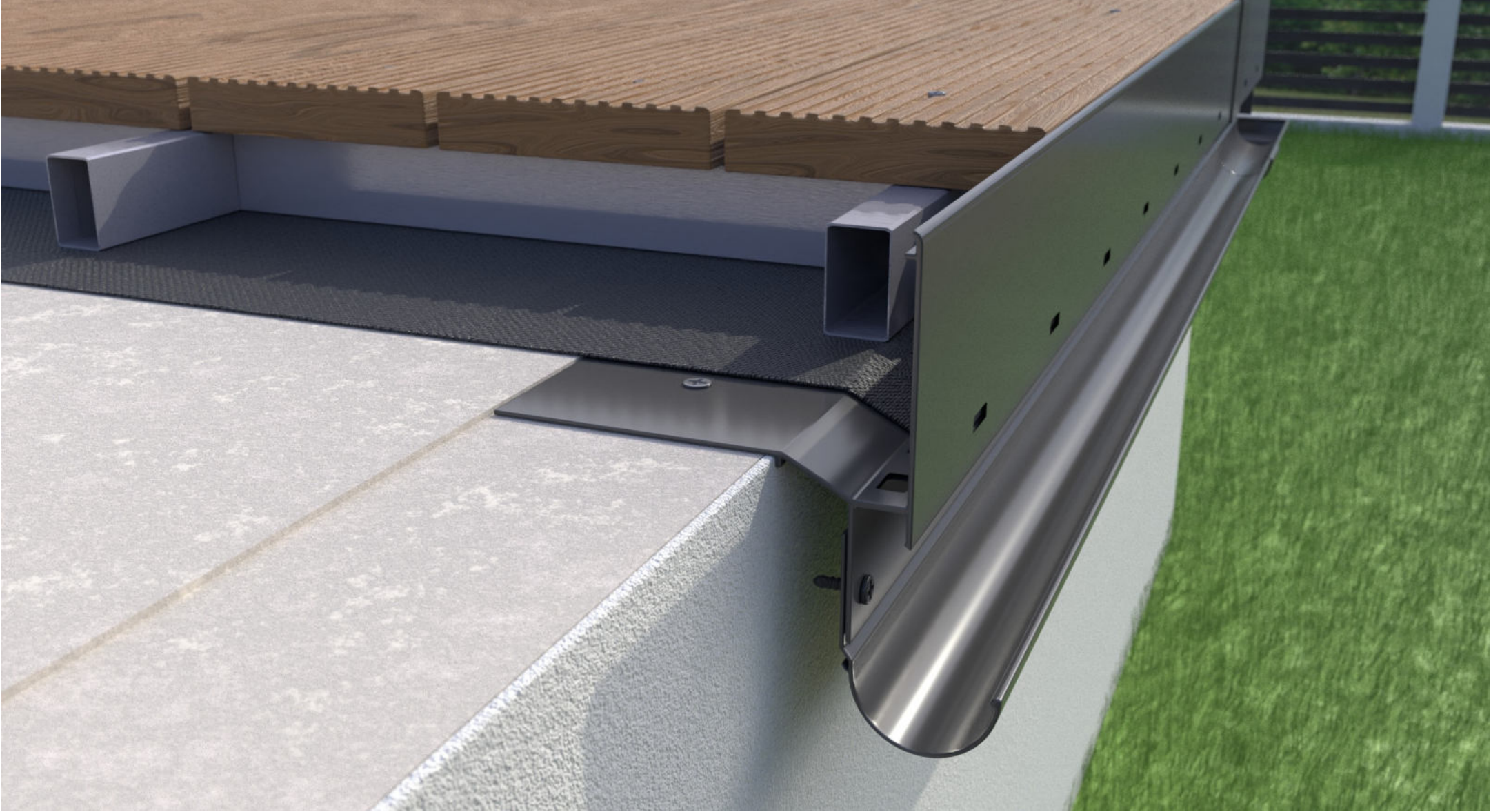
Installation of plinth profiles C1 and C2

At the height of the edge led out to the plinth of the **EPDM membrane**, mechanically fasten the **C1** clamping profile to the wall. Along the upper gap of the **C1** profile, we apply a flexible polyurethane mass and cover the plinth tiles. Then we install the **C2** closing profile with corners and connectors. The last step is to install the plastic strip in the slot of the **C2** profile. The construction of the **C2** profile allows the installation of LED strips to illuminate the floor.



Installation of the R50 or RK65 aluminum gutter system

The **R50/RK65** aluminum system gutter is fastened directly to the gutter strip located under the profile **W60**. Both the gutter and the corners are mounted using self-drilling screws (included with the gutters). Mount the **LR50/LRK65** connector on the connections.



COMMENTS:

The front edge of the **W60** profile is 60 mm high, which corresponds to the height of the floor made of boards (approx. 2.5 cm) laid on joists (approx. 4 cm). Drainage holes are located below the level of waterproofing, thanks to which they drain effectively water from the surface of the balcony / terrace. The front edge of the **W60** profile is a circumferential cover for the floor made of a terrace board.