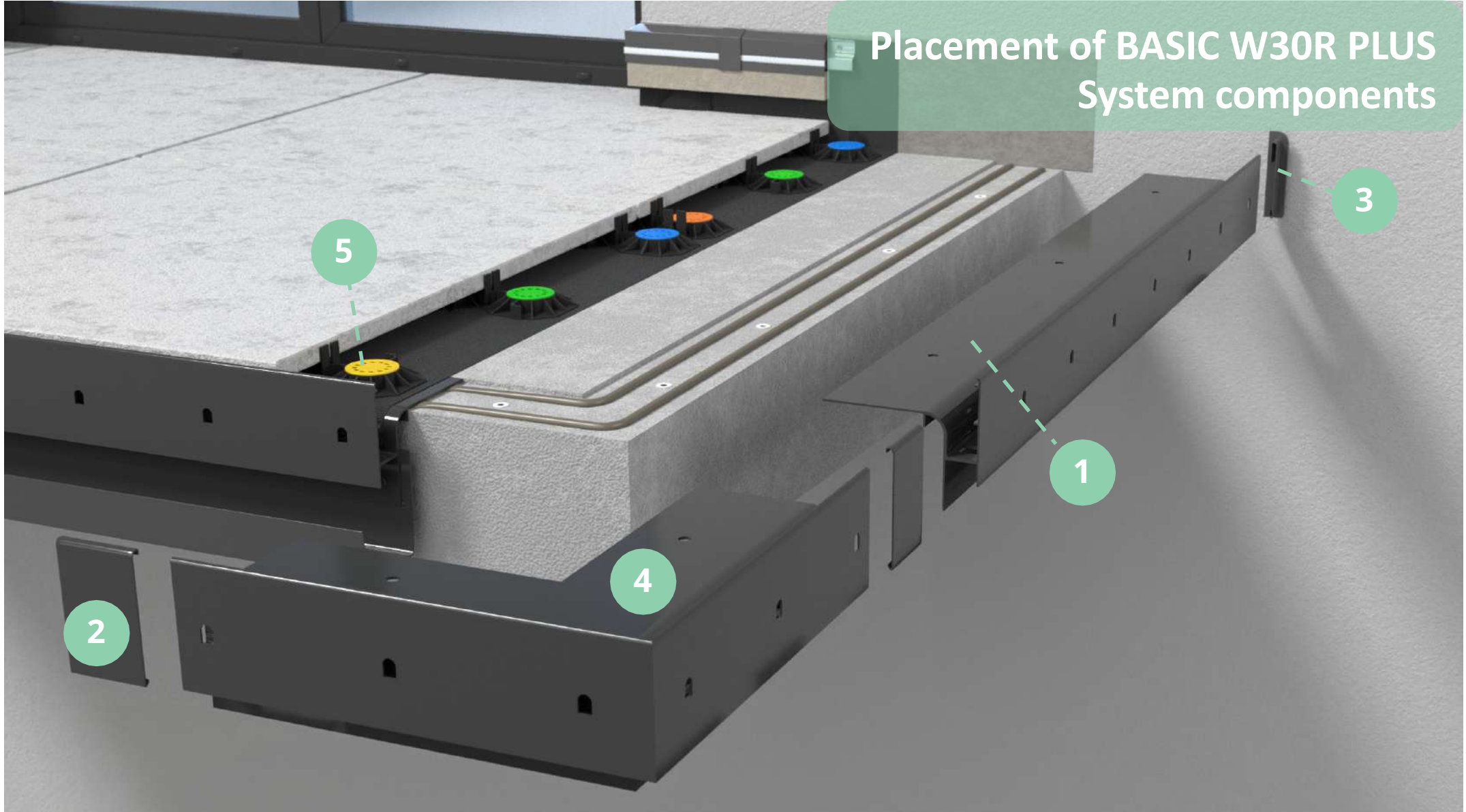


BASIC W30R PLUS system installation guide for balconies, patios and terraces surfaced with porcelain pavers resting on SMART pedestals



Placement of BASIC W30R PLUS System components



W30R PLUS drip edge
200 cm length



1

**LW30/LW30R PLUS/
LW60/LW63**
drip edge clip



2

**OPW30/OPW30R PLUS/
OPW60/OPW63 R+L**
wall protection end caps



3

W30R PLUS 90
external corner



4

SMART
pedestals

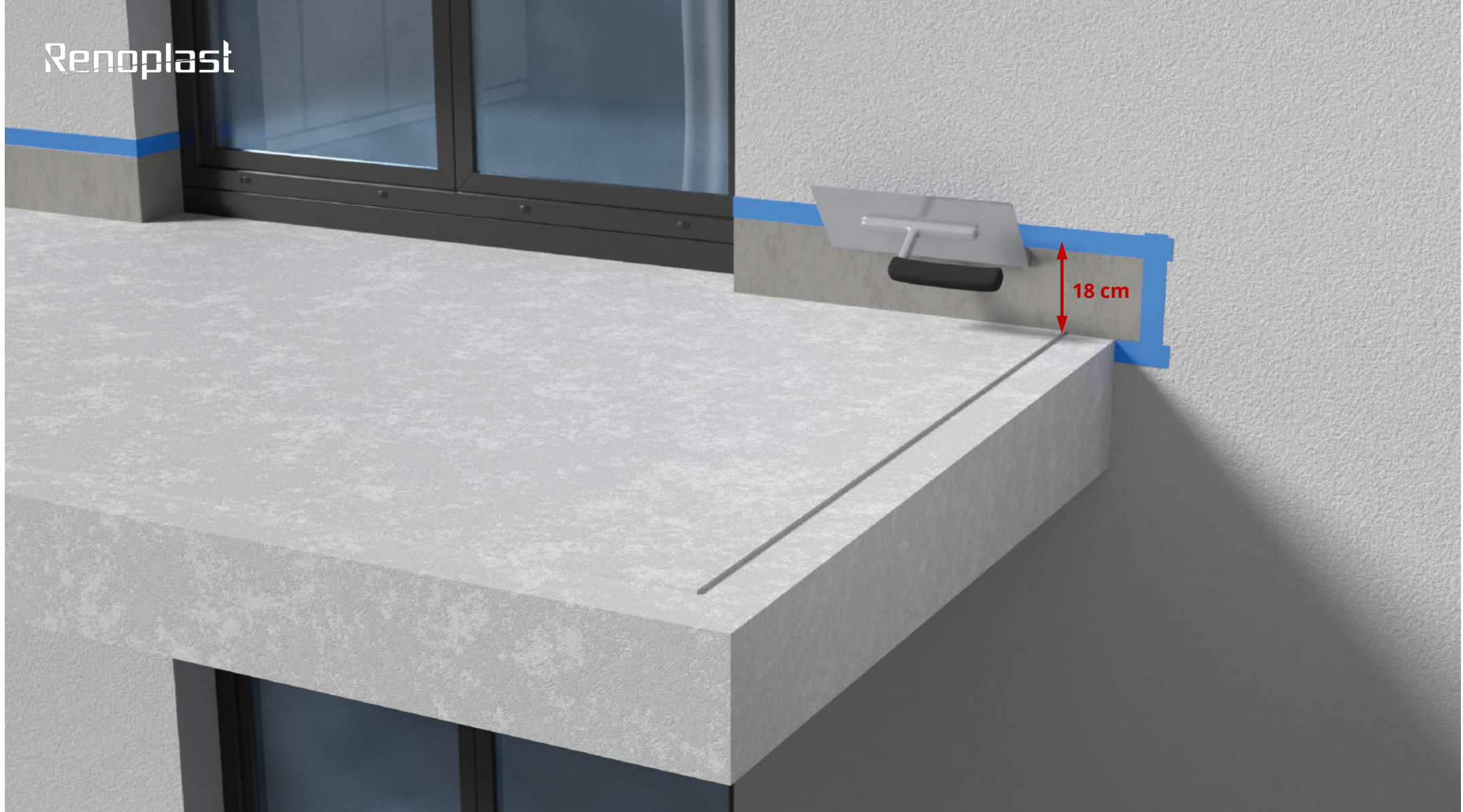


5



Balcony/terrace floor screed

The floor screed should be structurally sound and even, sloping 1.5 – 2% towards the balcony/terrace front edge. Along the balcony/terrace edge a 3 mm deep by 80 mm wide recess should be made in the screed to allow setting the drip edge flush with the screed top surface.



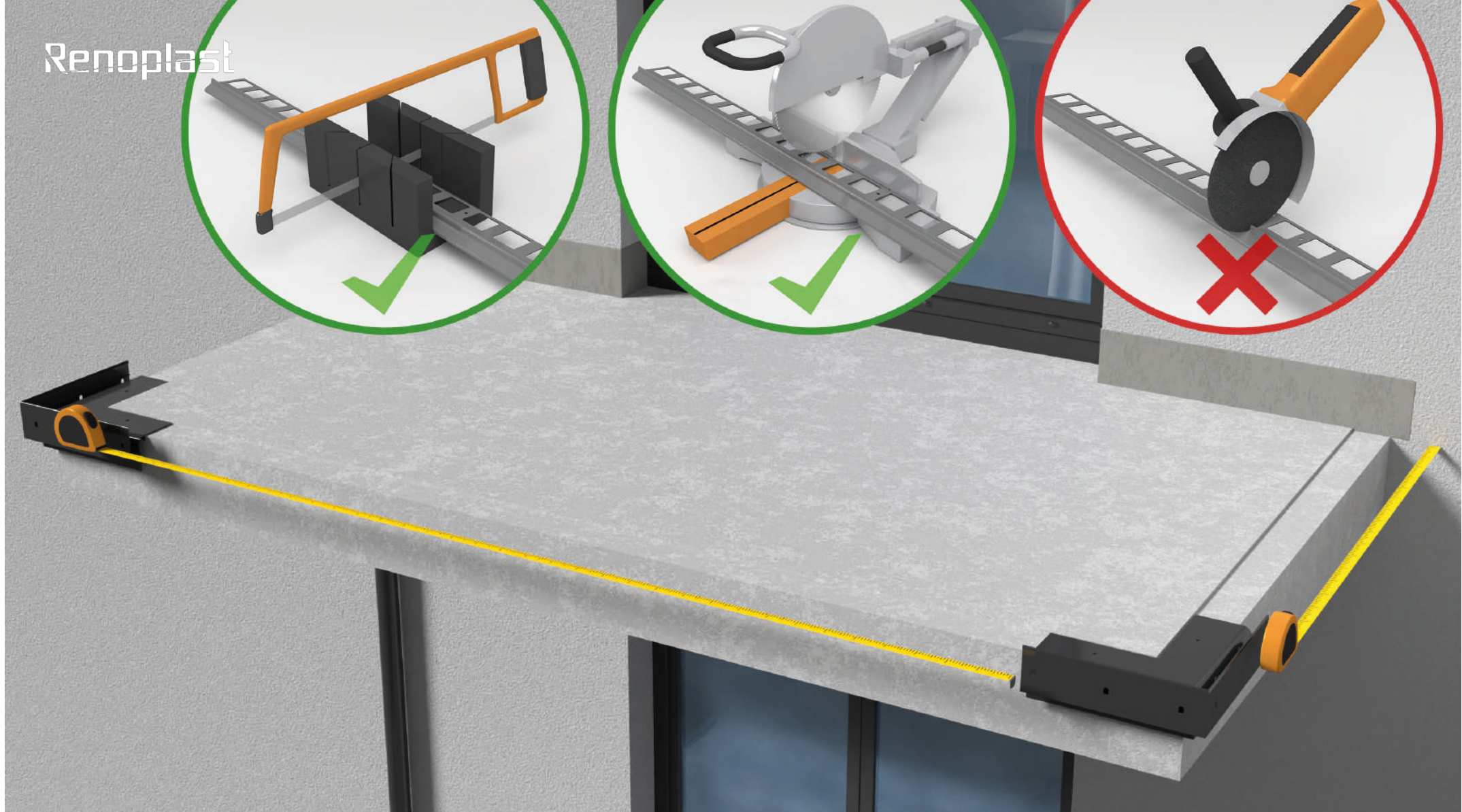
Smoothing the wall for membrane upstand installation

An appropriate smoothing compound should be applied over 18 cm wide strip (15 cm above finished floor level) to provide smooth and sound substrate for bonding the waterproofing membrane upstand.



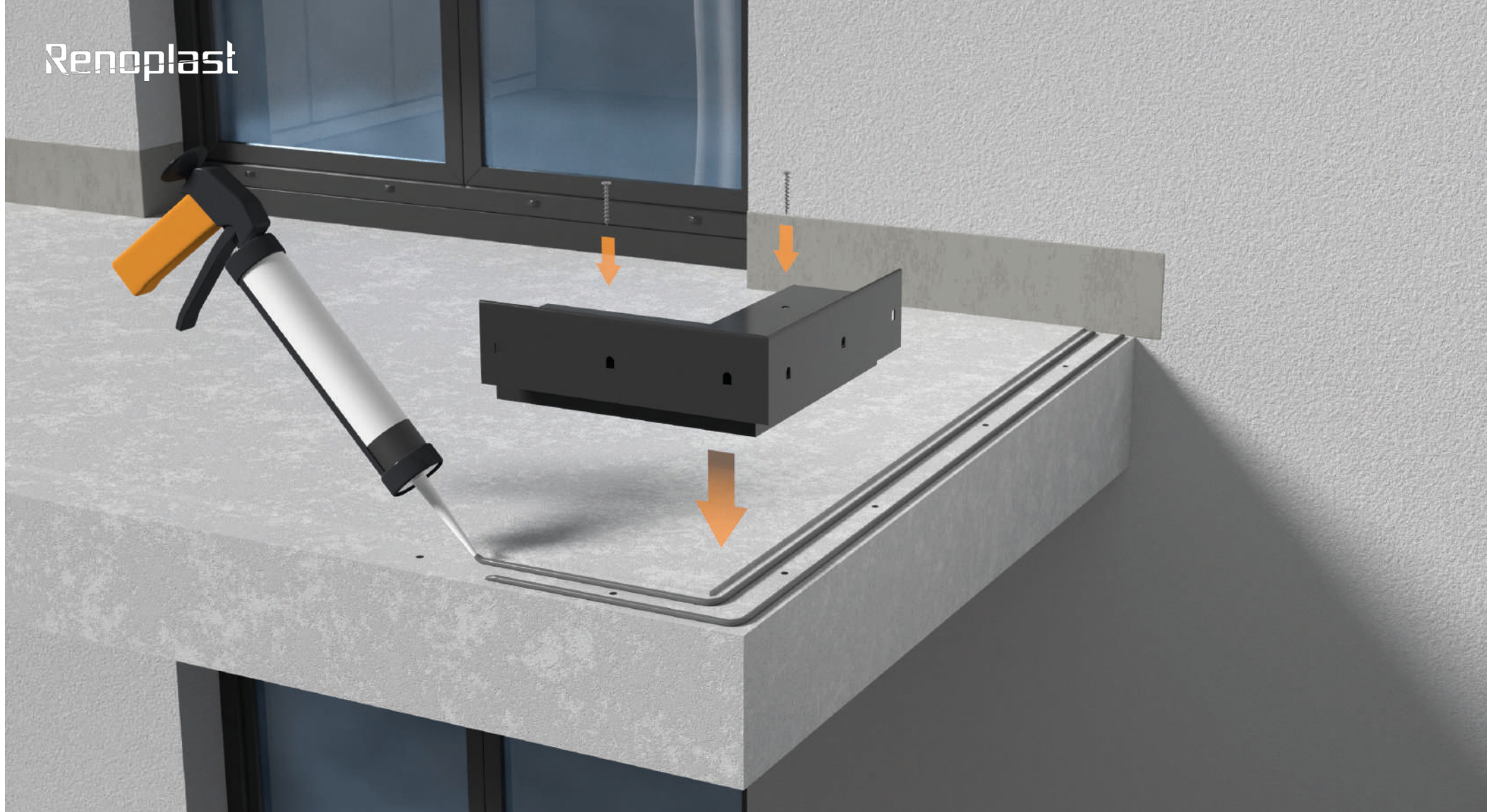
Pre-fitting W30R PLUS 90 external corners

Start the installation by pre-fitting the external corners using the supplied plastic plugs.



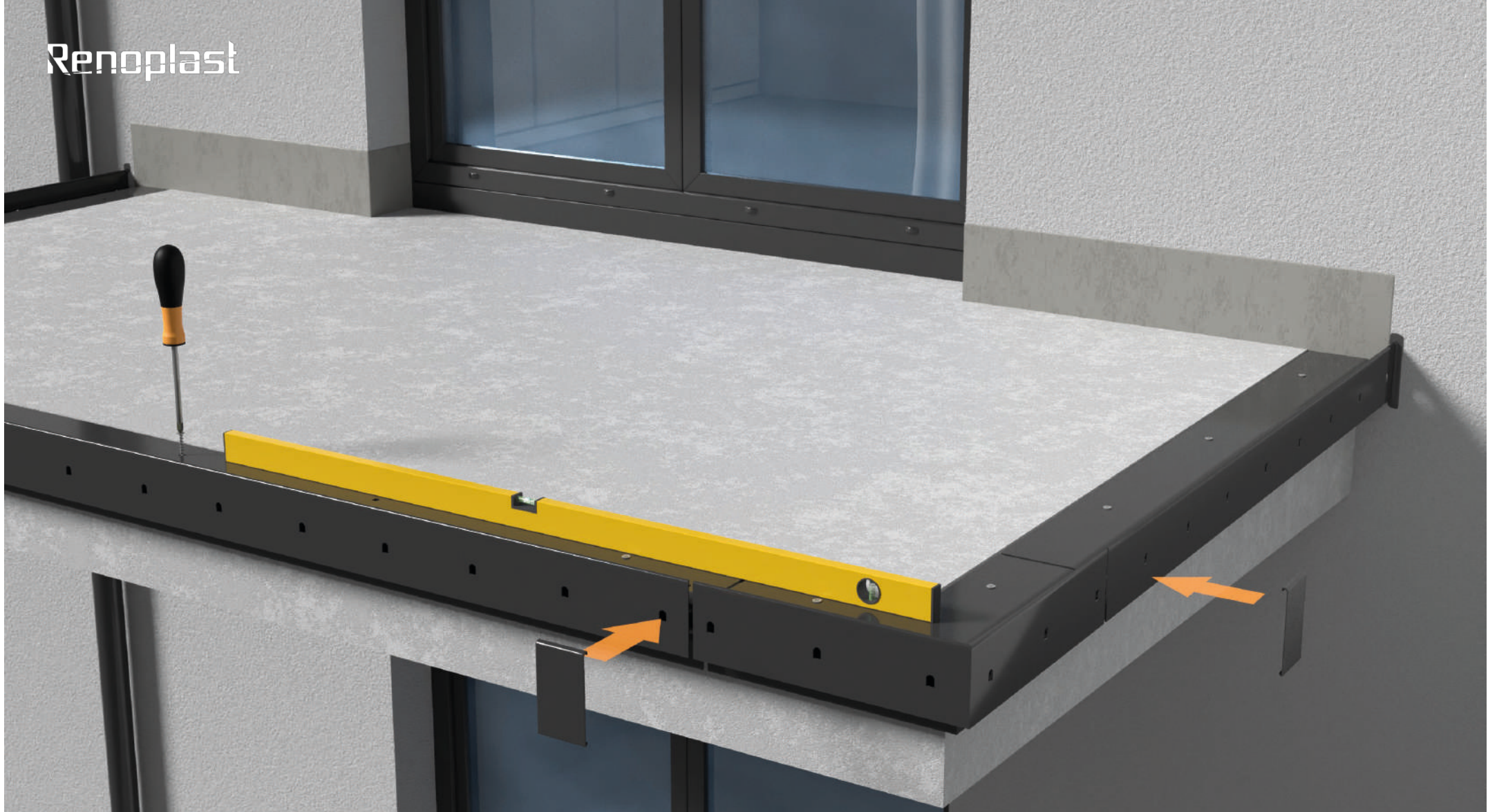
Preparation of W30R PLUS drip edges

Measure straight lengths to cut the straight sections to the required length. Allow for ca. 2 mm wide expansion joints between adjacent drip edging sections. At walls leave sufficient space for fitting **OPW30/OPW30R PLUS/OPW60/OPW63 wall protection end caps**. For cutting use a metal handsaw or a circular saw equipped with an aluminium cutting disc. Other tools may damage the paint coat, which is considered unacceptable.



Fixing of W30R PLUS 90 external corners

External corners should be bedded on elastic (such as polyurethane) sealant and fixed with the pre-installed plastic plugs.



Fixing of W30R PLUS drip edges

Straight sections are fitted in the same way as corner pieces. On all joints snap **LW30/LW30R PLUS/LW60/LW63 drip edge clips**. Use a string line stretched between adjacent corners and a spirit level to ensure straight and level alignment. Finally tighten the wall plug screws taking care not to squeeze out bedding sealant.



Renoplast EPDM membrane installation - preparation

Lay out the **Renoplast EPDM membrane** over the base and leave the membrane to relax for about 60 minutes to allow it expand naturally and remove any creases. Next cut the membrane to size, adding the drip edge bonding strip, wall upturns and laps between adjacent strips.

Renoplast



8+10 cm 18+2 cm

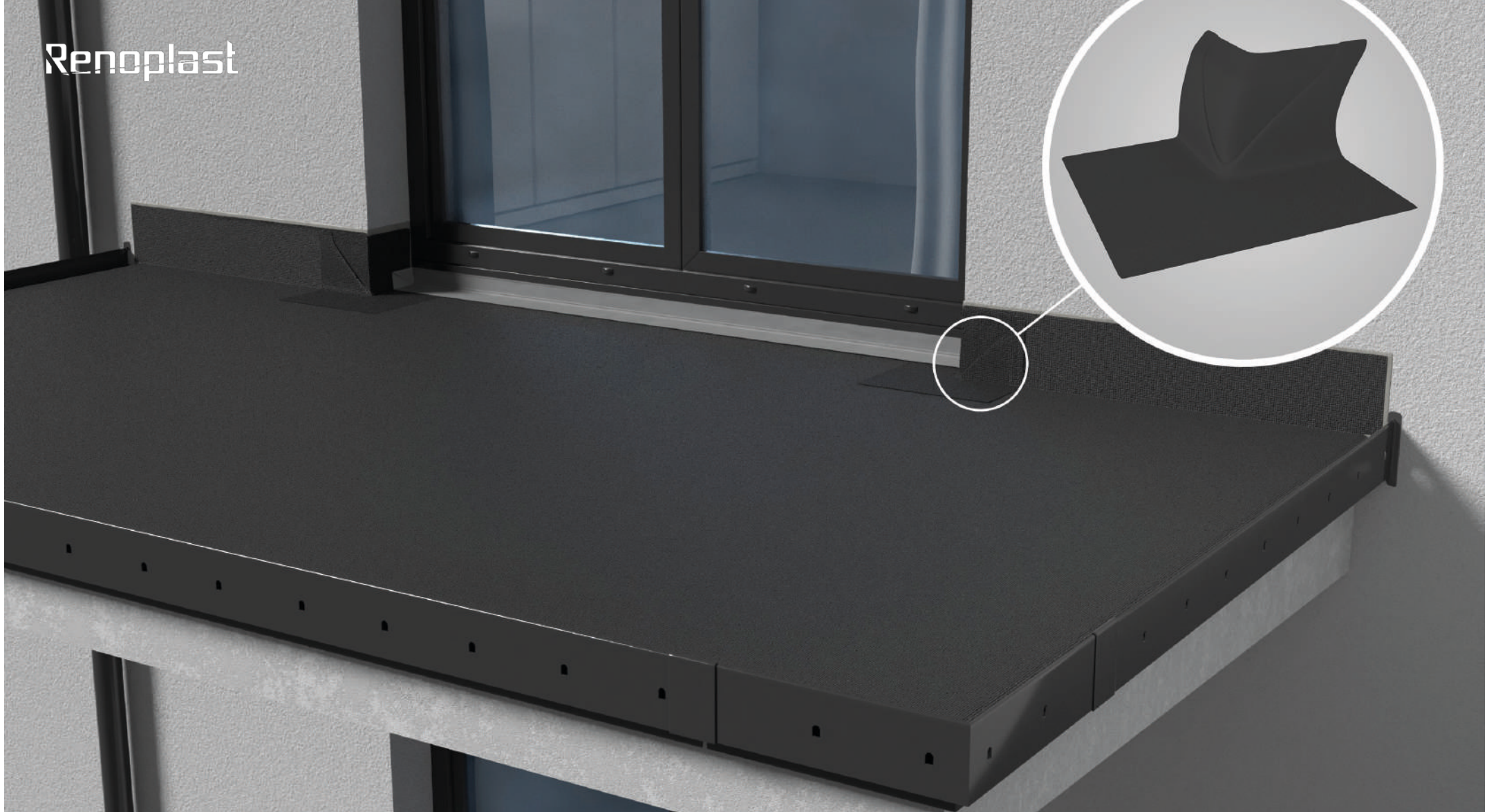
Bonding Renoplast EPDM membrane to substrates

For bonding **Renoplast EPDM membrane** to substrates use **RENOSTICK RS 10**. Apply the adhesive around the **Renoplast EPDM membrane** perimeter over a 20 cm wide strip, over the entire upstand width and onto the mating surfaces of **W30R PLUS drip edges** and **W30R PLUS 90 external corners**. Apply the adhesive on both the membrane and on the substrate. Wait for ca. 5-15 minutes and then press the membrane against the substrate with a hand roller.



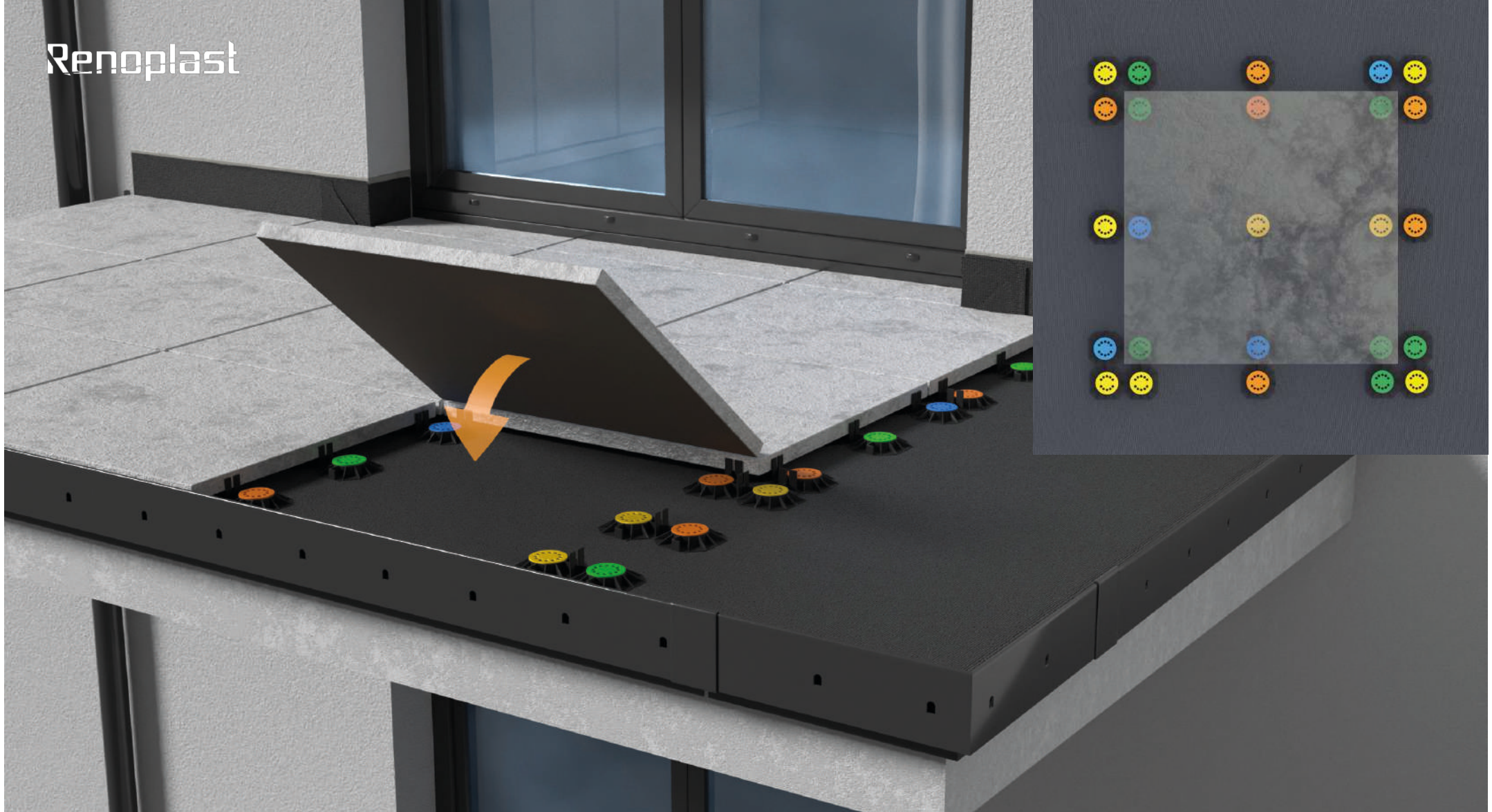
Sealing of Renoplast EPDM membrane joints

Upturn a ca. 2 cm wide strip along the membrane edges, apply flexible sealant and press firmly the membrane against the substrate until the sealant starts to squeeze out. Remember to seal both the membrane laps and drip edge joints.



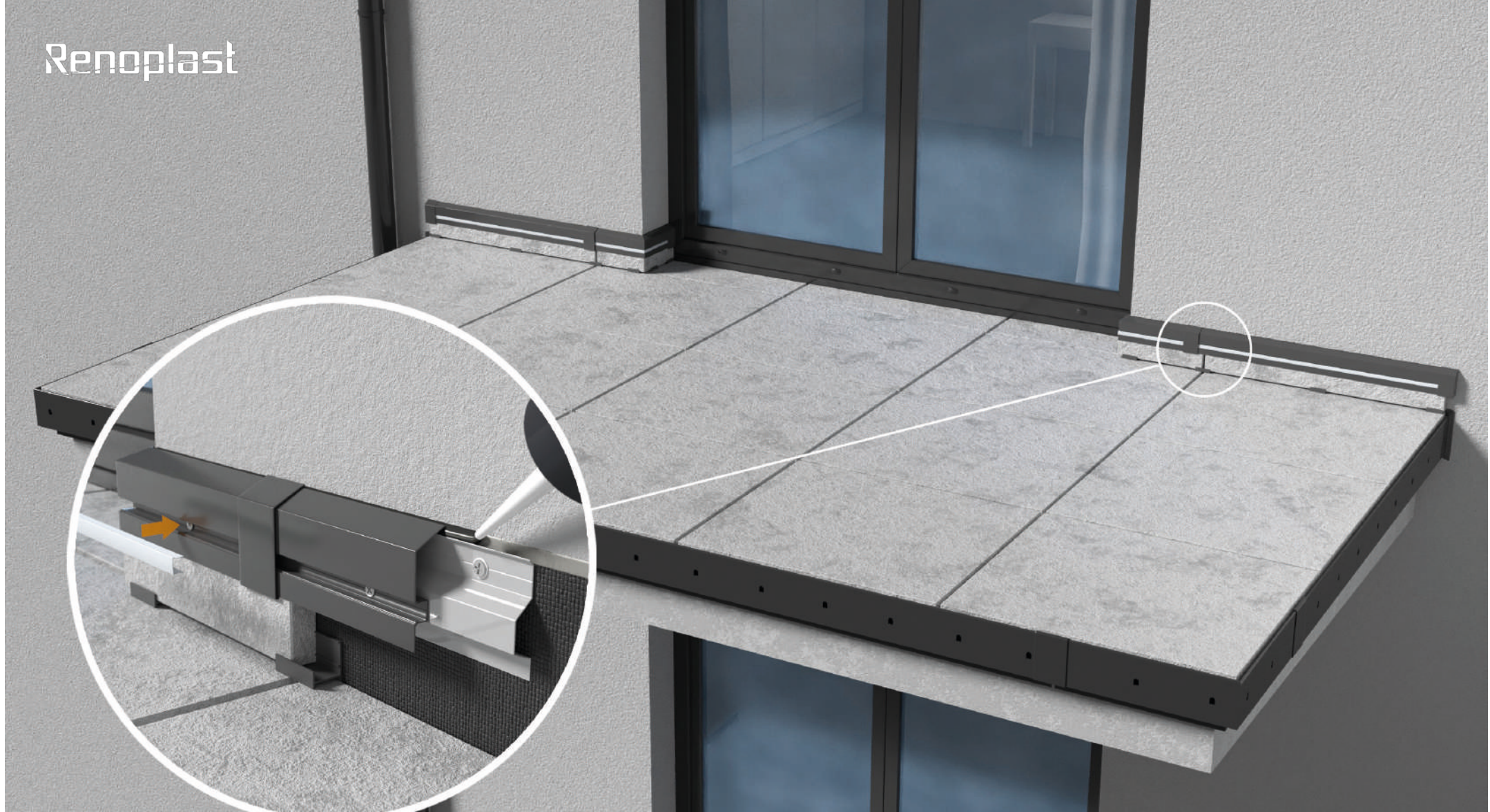
Sealing of doorway and doorsill joints

At bottom doorway corners fit preformed **EPDM external corners**. Use **RENOSTICK RS 10** for bonding the corners and then apply adhesive sealant along joints. The joint between **Renoplast EPDM membrane** and doorsill edge should be sealed with mesh reinforced **self-adhesive EPDM tape with butyl strip**.



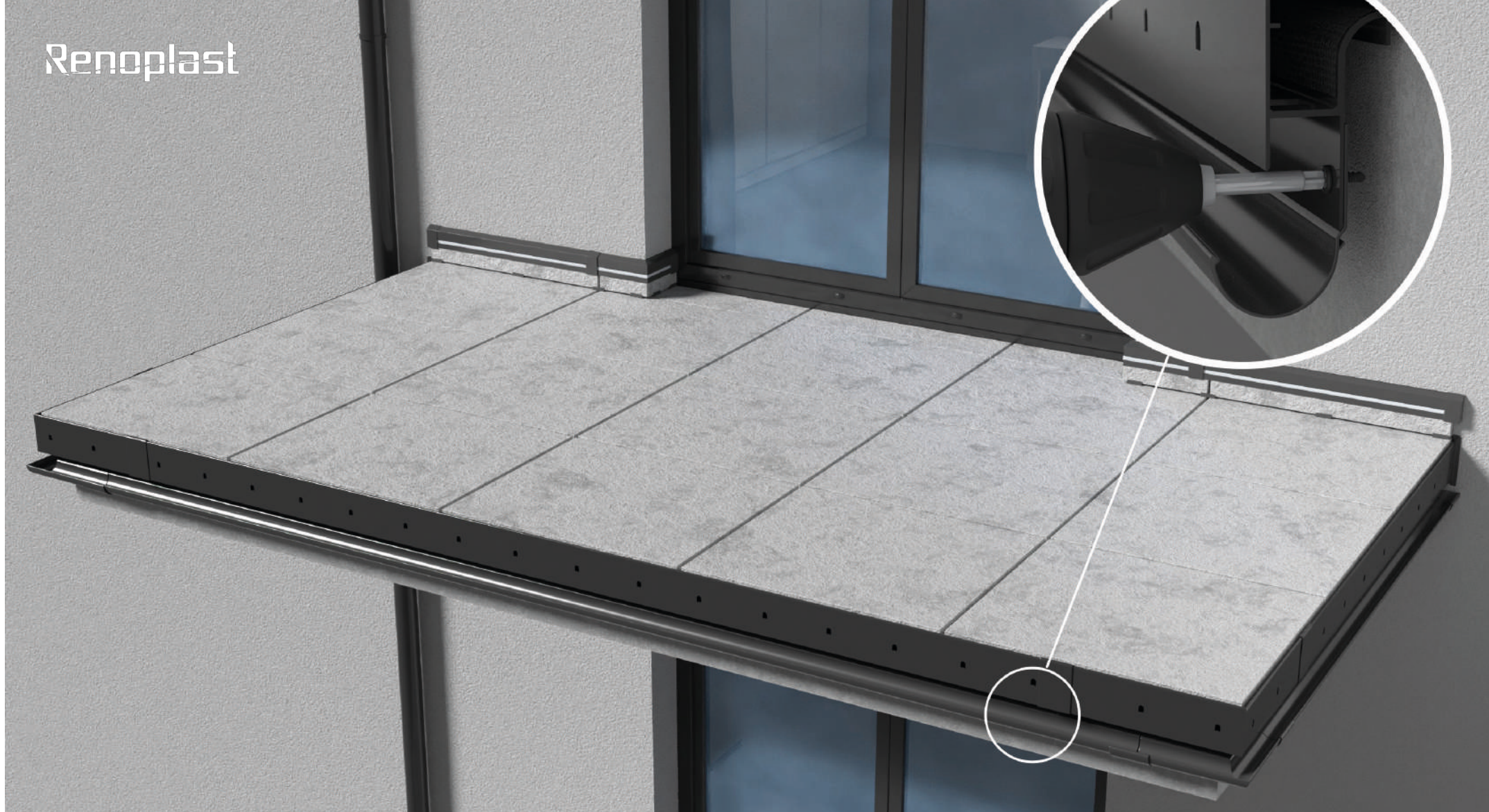
Paving with the use of SMART pedestals

Porcelain pavers are placed on **SMART** pedestals. The layout of pedestals should be appropriate to the size of the chosen pavers. The picture above shows an example layout of support points of pedestal floor made of 60x60 cm slabs. Use **0.5**, **1**, **2** and **3** mm thick levelling discs to level out base depressions.



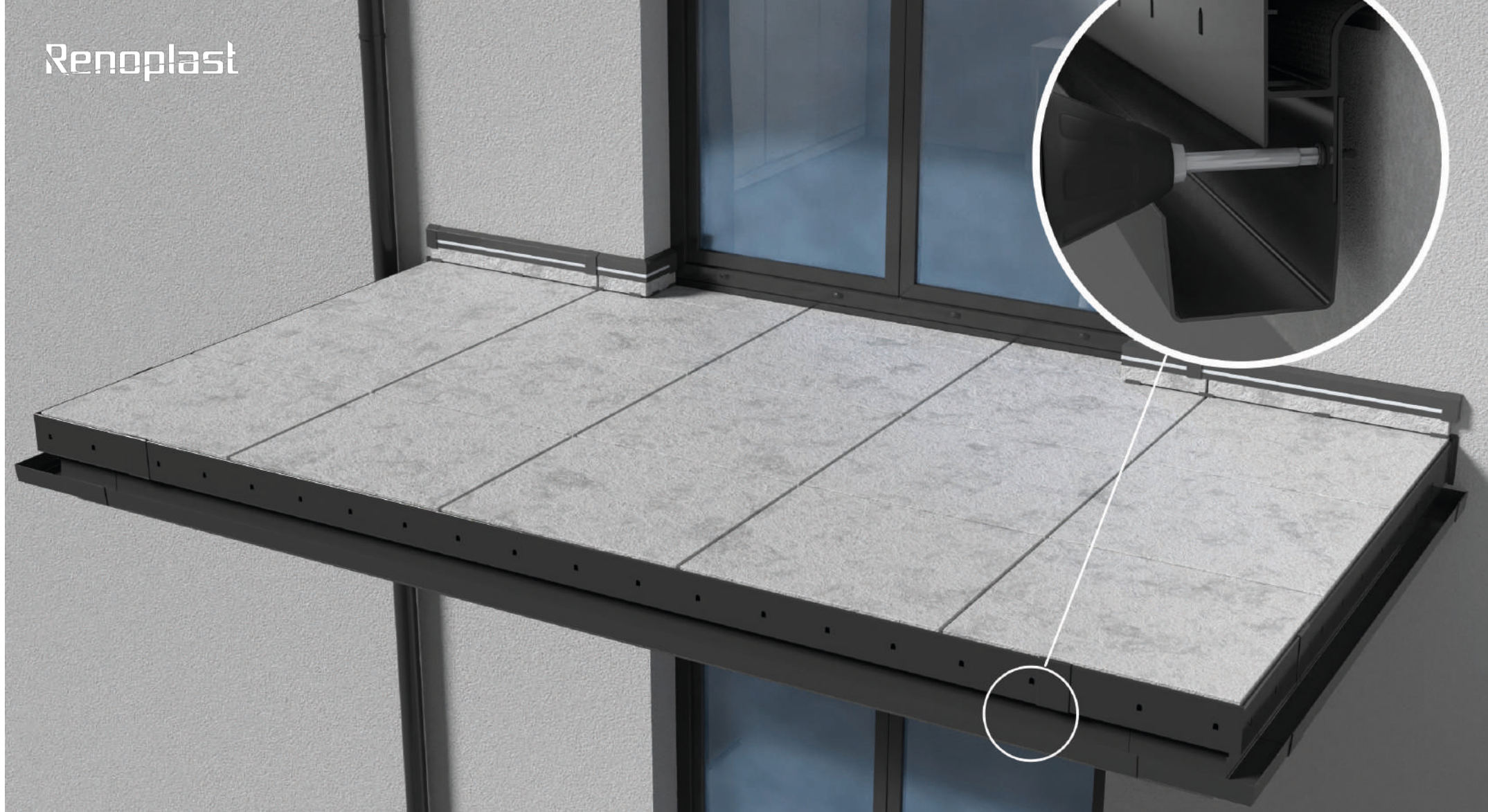
C1/C2 plinth installation

Start by mechanically fixing the **C1 plinth trim base rail** to the wall at the membrane upstand top edge level as the membrane termination bar. Along the top edge of **C1 plinth trim base rail** apply elastic polyurethane sealant and lay 2 cm thick skirting tiles. Next snap the **C2 plinth trim**, including corners and clips. Finish the skirting installation by inserting the plastic strip into the **C2** groove. LED strip may also be fitted in the **C1 plinth trim base rail** to illuminate the floor.



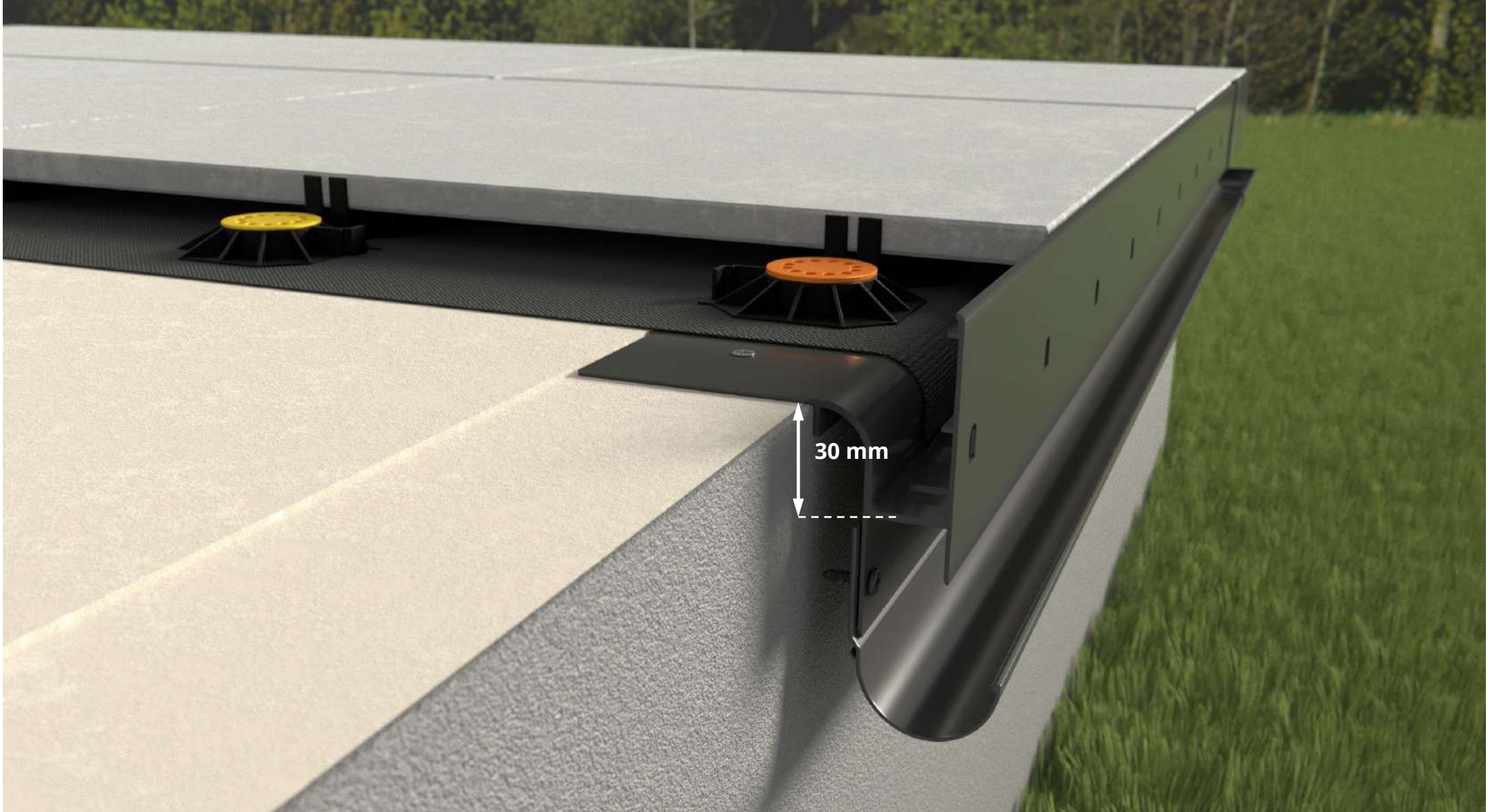
Installation of Renoplast R50 aluminium gutter system

R50 aluminium gutters are fixed directly to the fascia cover under **W30R PLUS drip edge**. Both the straight segments and angles should be fixed with the supplied self-drilling fasteners. The straight segments and gutter angles are connected with **R50 gutter unions**.



Installation of Renoplast RK65 aluminium gutter system

RK65 aluminium gutters are fixed directly to the fascia cover under **W30R PLUS drip edge**. Both the straight segments and angles should be fixed with the supplied self-drilling fasteners. The straight segments and gutter angles are connected with **RK65 gutter unions**.

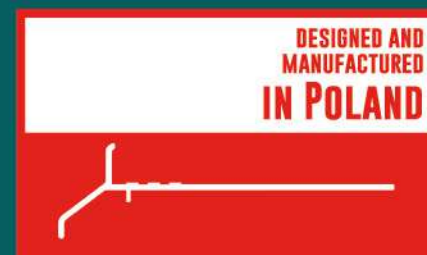


NOTES:

W30R PLUS drip edge has a 30 mm high upstand along the front edge, corresponding to standard thickness of porcelain pavers laid on **SMART** pedestals. In **W30R PLUS drip edges** the drain holes are positioned below the waterproofing layer to ensure efficient drainage of water balcony/terrace floors. Since the drain holes may get clogged over time, emergency overflows have been provided on the front upstand to alert the user. In addition, the front upstand restrains the floor pavers.



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