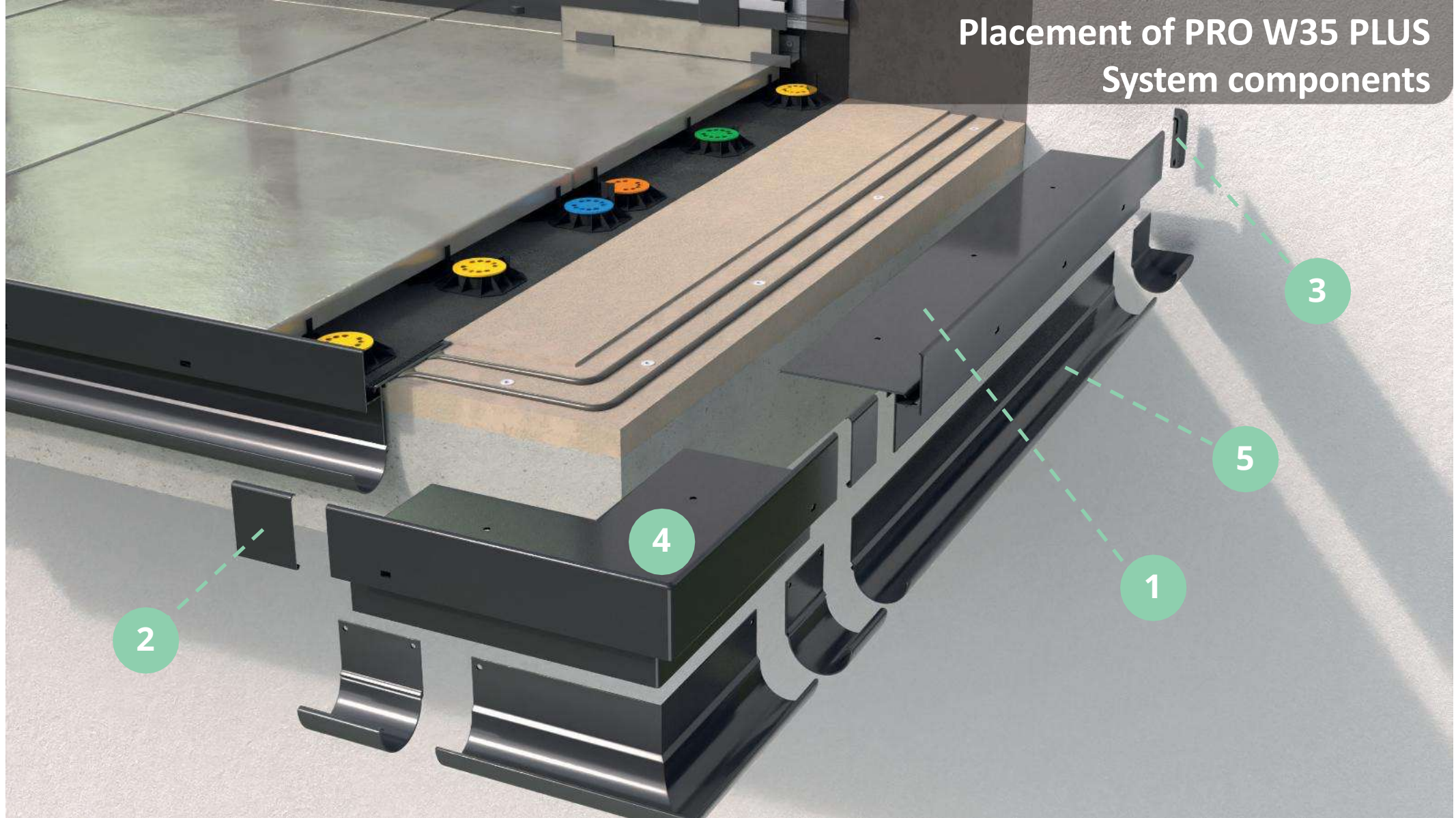


PRO W35 PLUS system installation guide for balconies, patios and terraces surfaced with porcelain pavers resting on SMART pedestals



Placement of PRO W35 PLUS System components



W35 PLUS drip edge
200 cm length

LW20/LW20R/ LW35 PLUS
drip edge clip

**OPW20/OPW20R/
OPW35 PLUS R+L**
wall protection end caps

W35 PLUS 90
external corner

R50
Round gutter



1



2



3



4



5



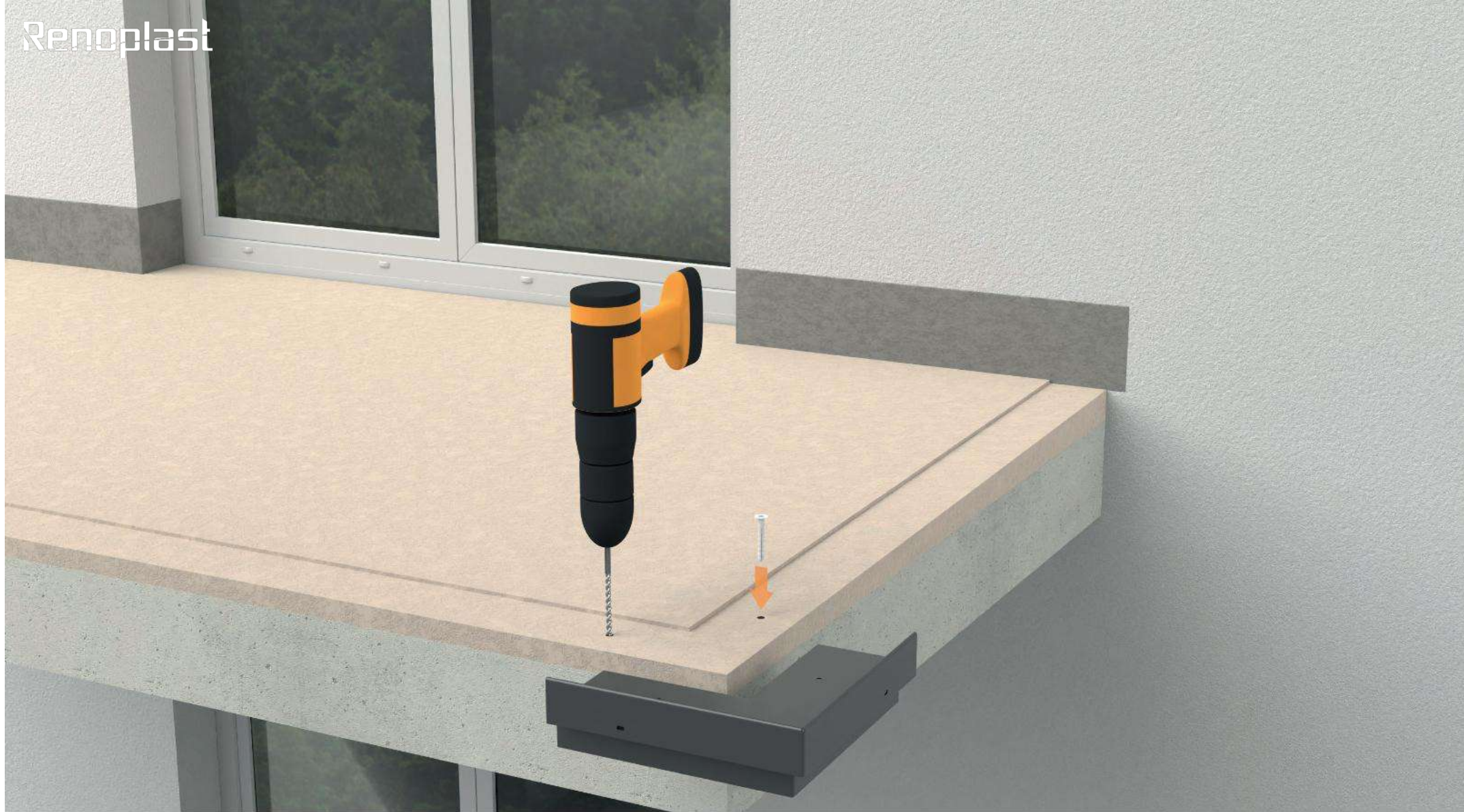
Balcony/terrace floor screed

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.



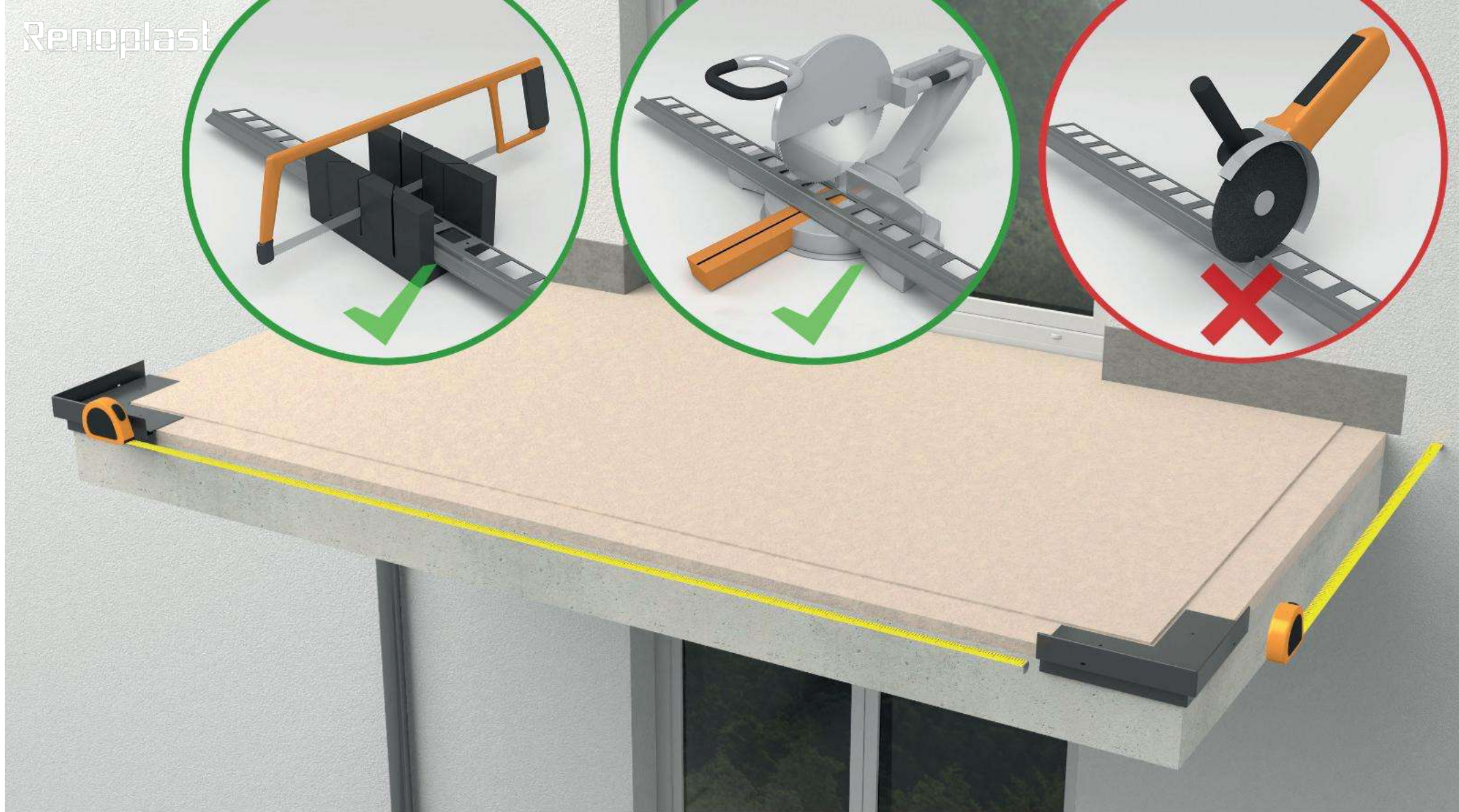
Smoothing the wall for membrane upstand installation

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.



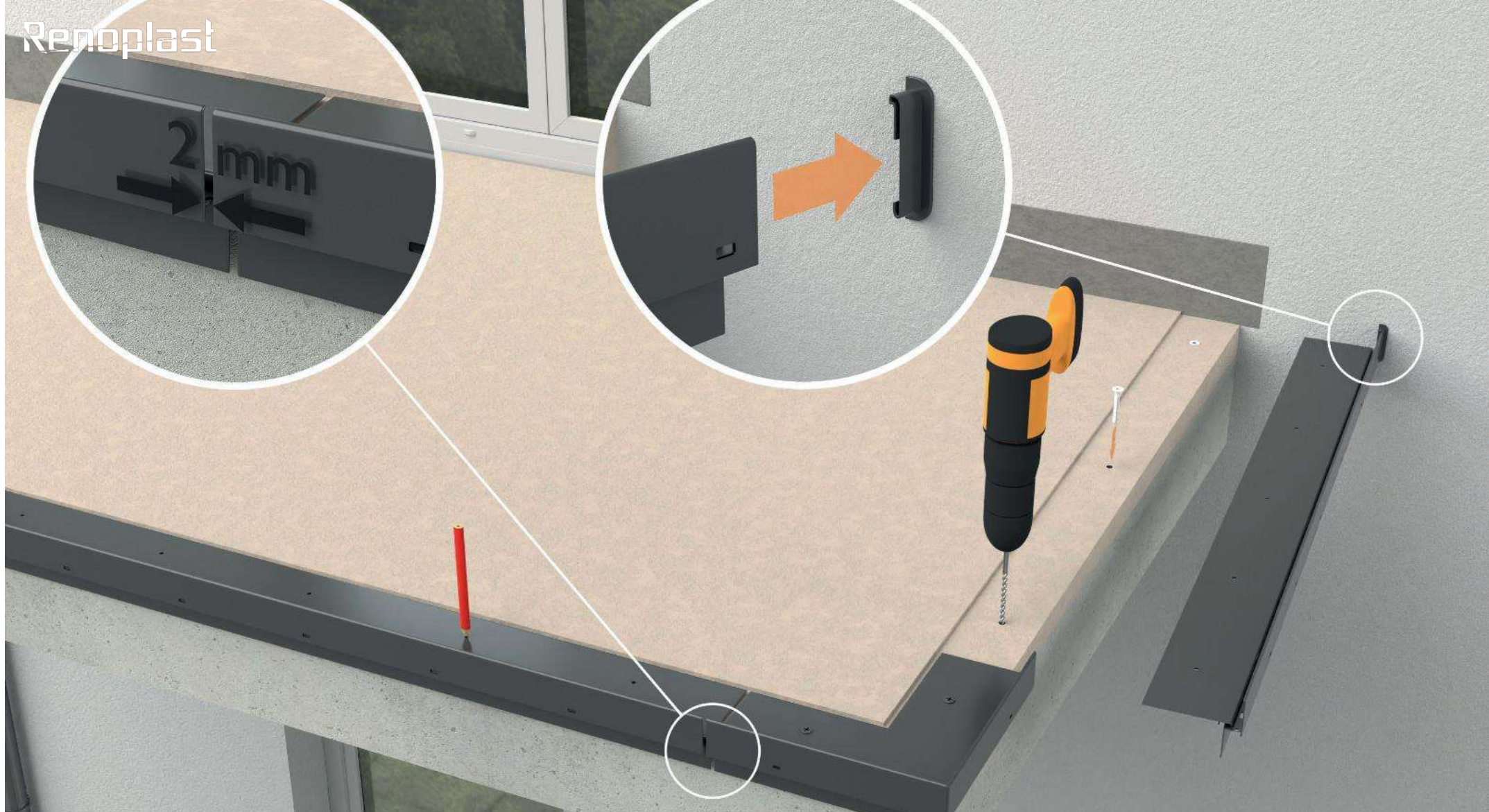
Pre-fitting W35 PLUS 90 external corners

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



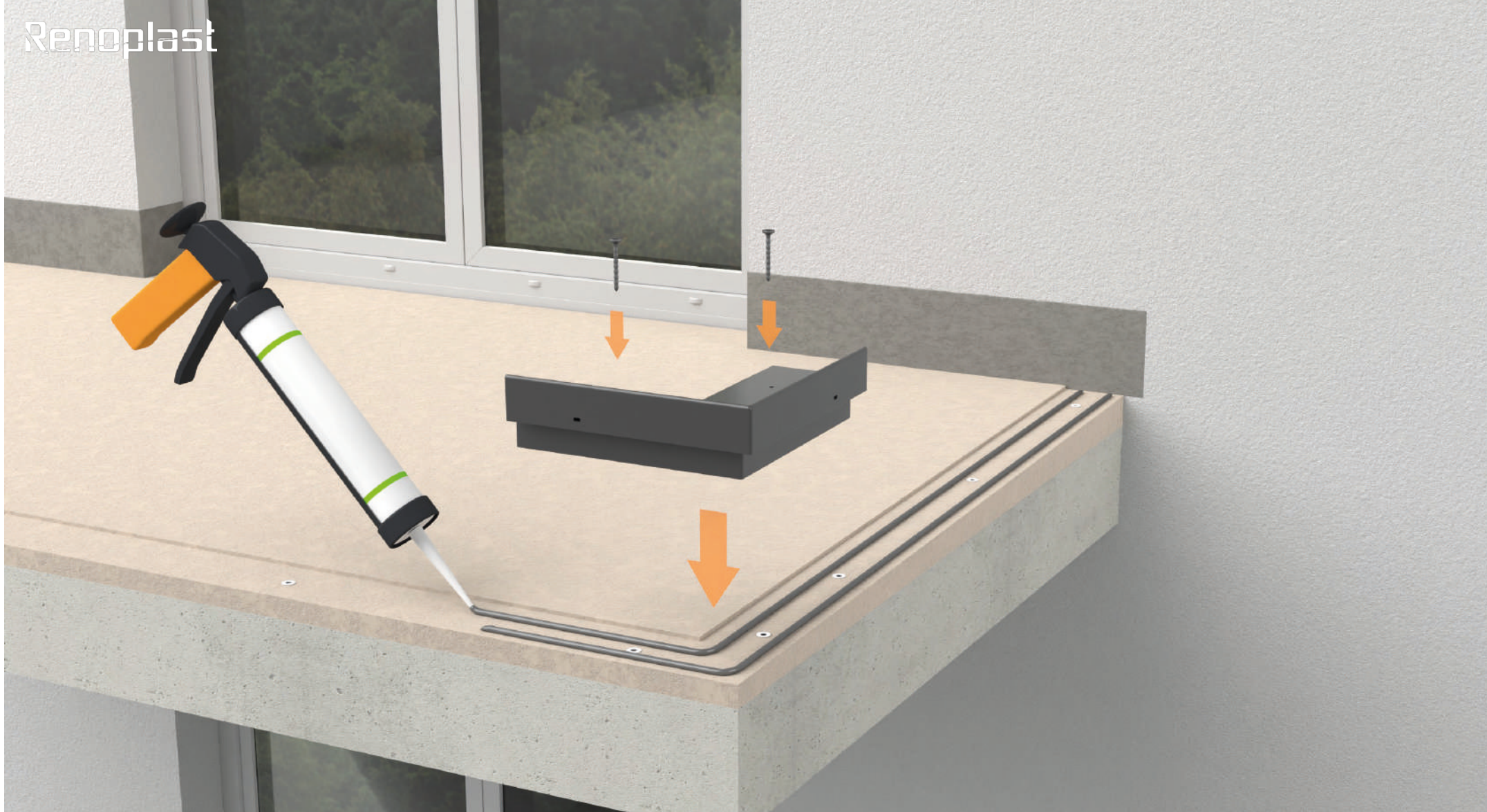
Preparation of W35 PLUS drip edges

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 **OPW20/OPW20R/OPW35 PLUS 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.



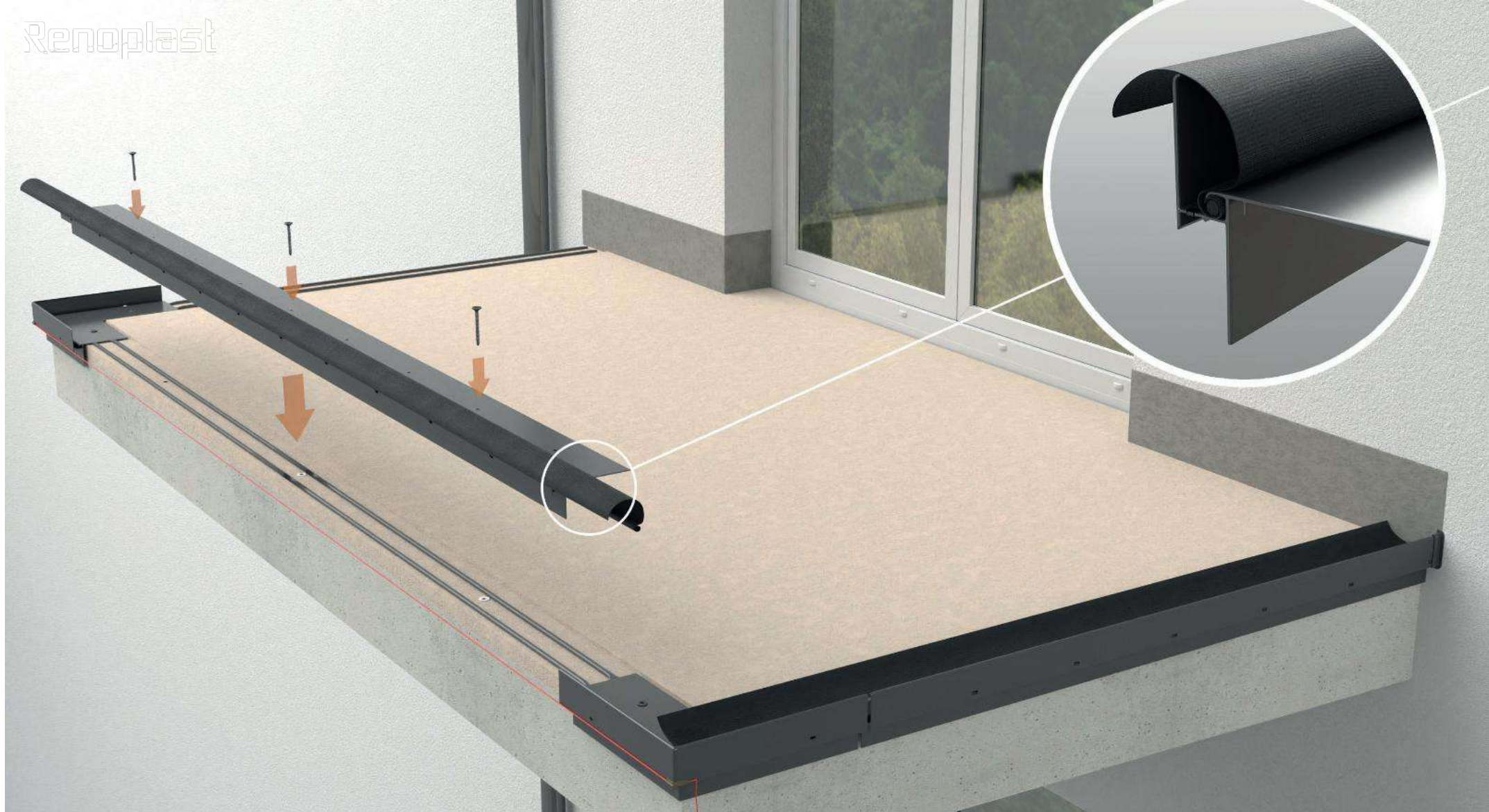
Making fixing holes in the screed

Lay **W35 PLUS** drip edges between the pre-fitted **W35 PLUS 90** external corners and mark fixing holes positions. Remove the drip edging to drill fixing holes in the screed.



Fixing of W35 PLUS 90 external corners

External corners should be placed on a bed of sealing slurry and mechanically fixed using the pre-installed plastic plugs. Once the slurry has cured, tighten the plug screws as required.



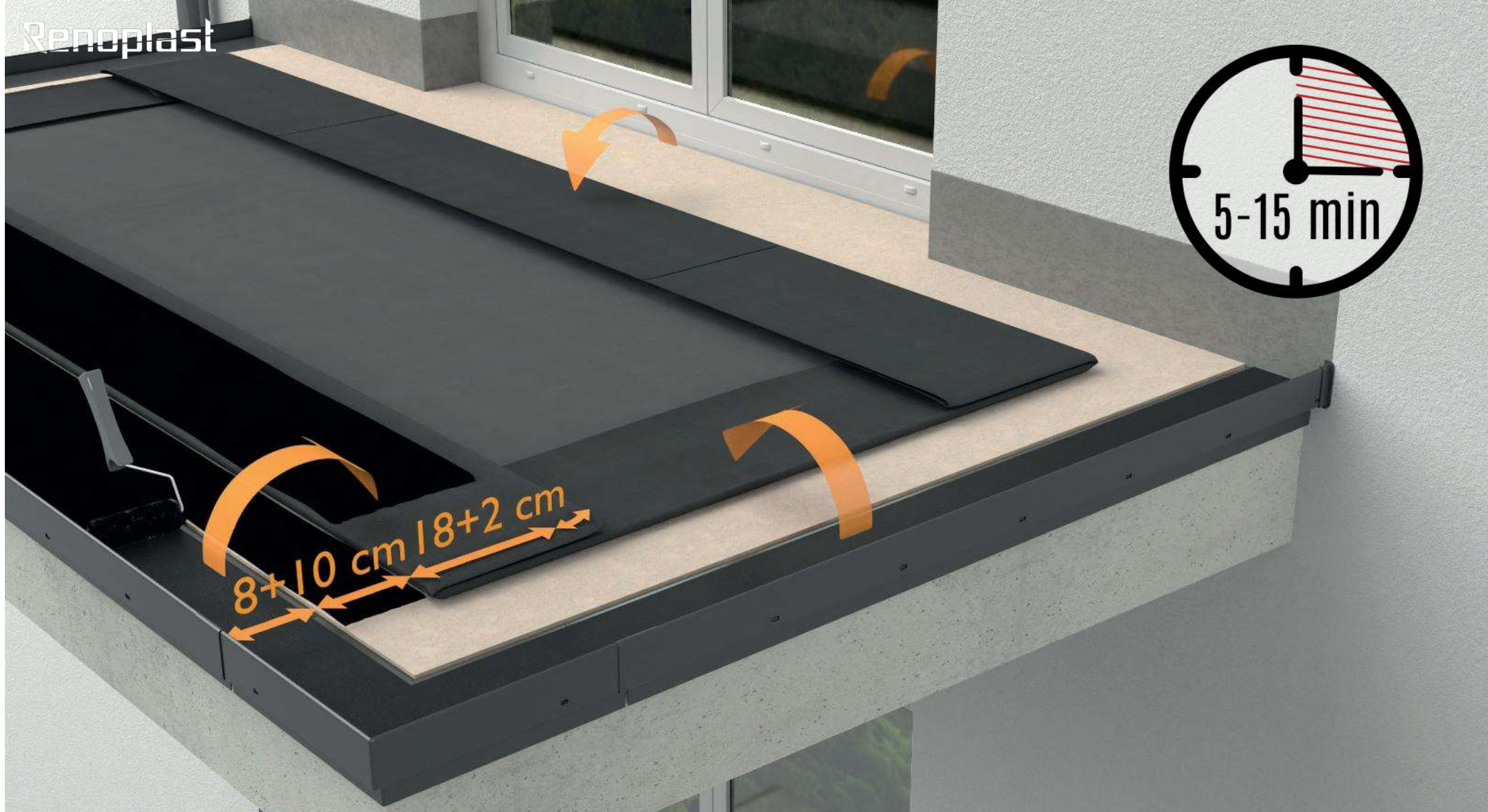
Fixing of W35 PLUS drip edges

W35 PLUS drip edges have a groove along the top edge for preformed **EPDM sealing strip**, which should be inserted before fixing the straight sections. **EPDM sealing strip** should also be inserted in the already fixed drip edging corners. Straight sections are fitted in the same way as corner pieces. Use a string line stretched between adjacent corners and a spirit level to ensure straight and level alignment.



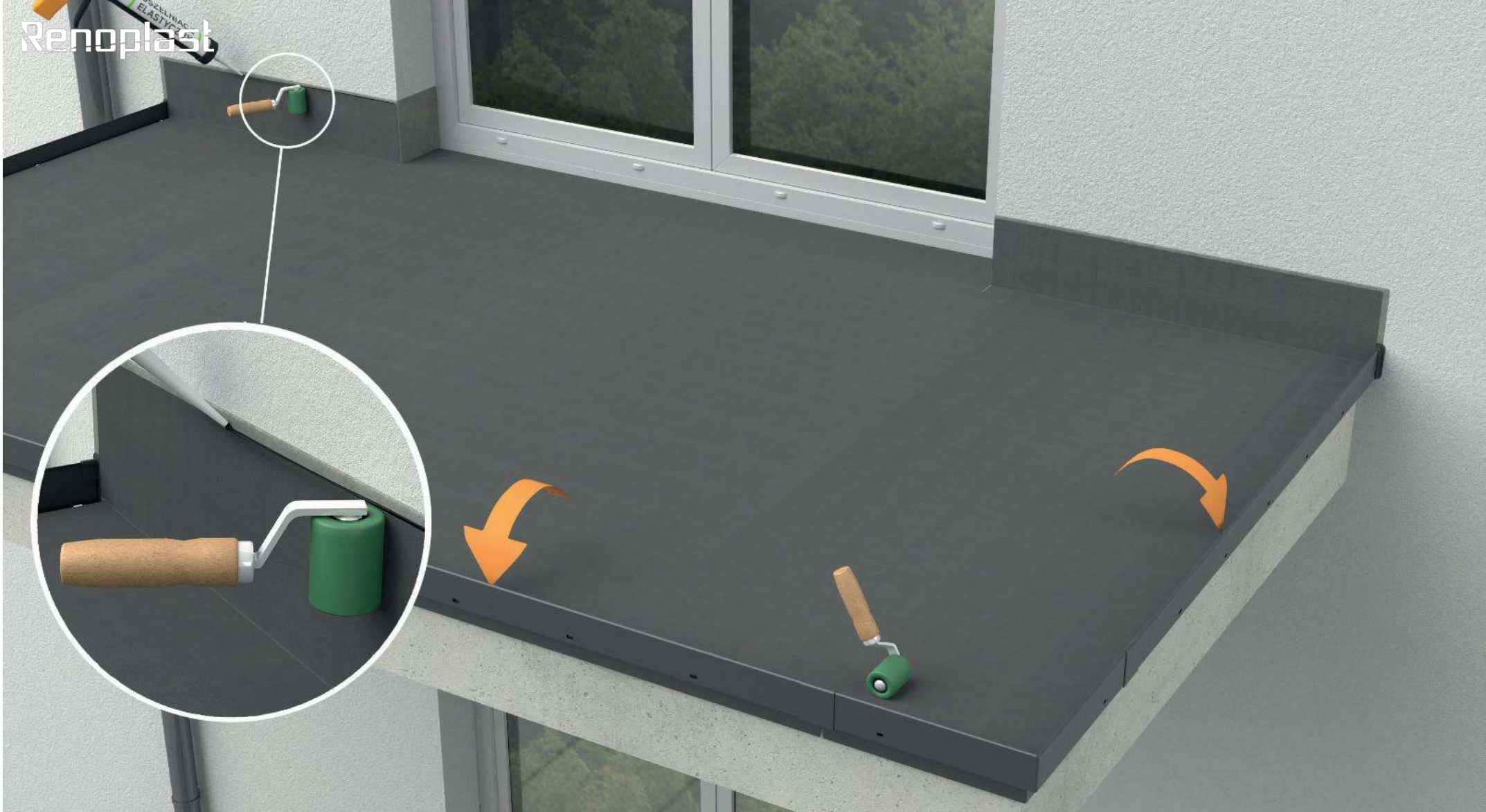
Renoplast EPDM membrane installation - preparation

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.



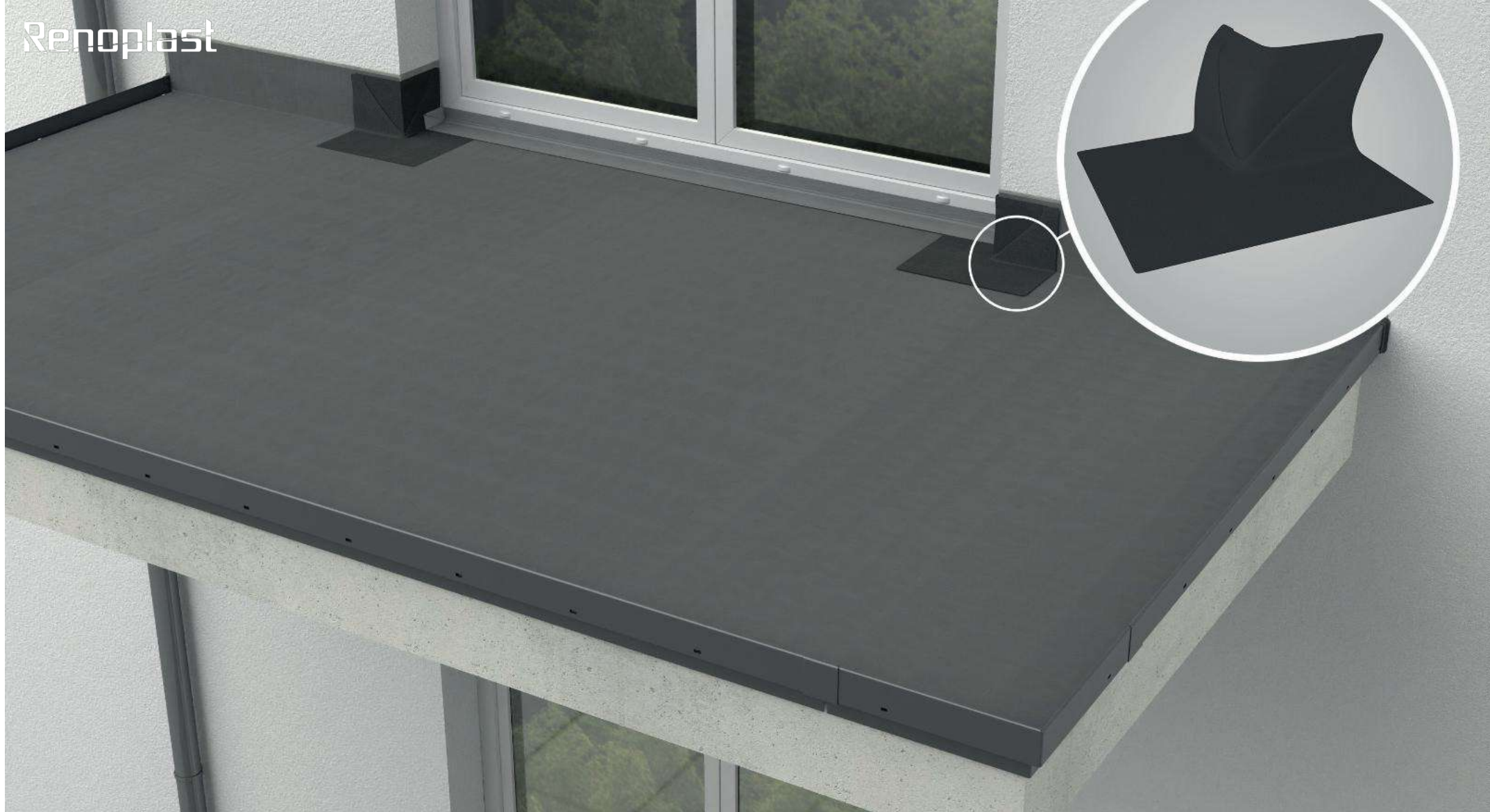
Bonding Renoplast EPDM membrane to substrates

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 **preformed EPDM sealing strip**. 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.



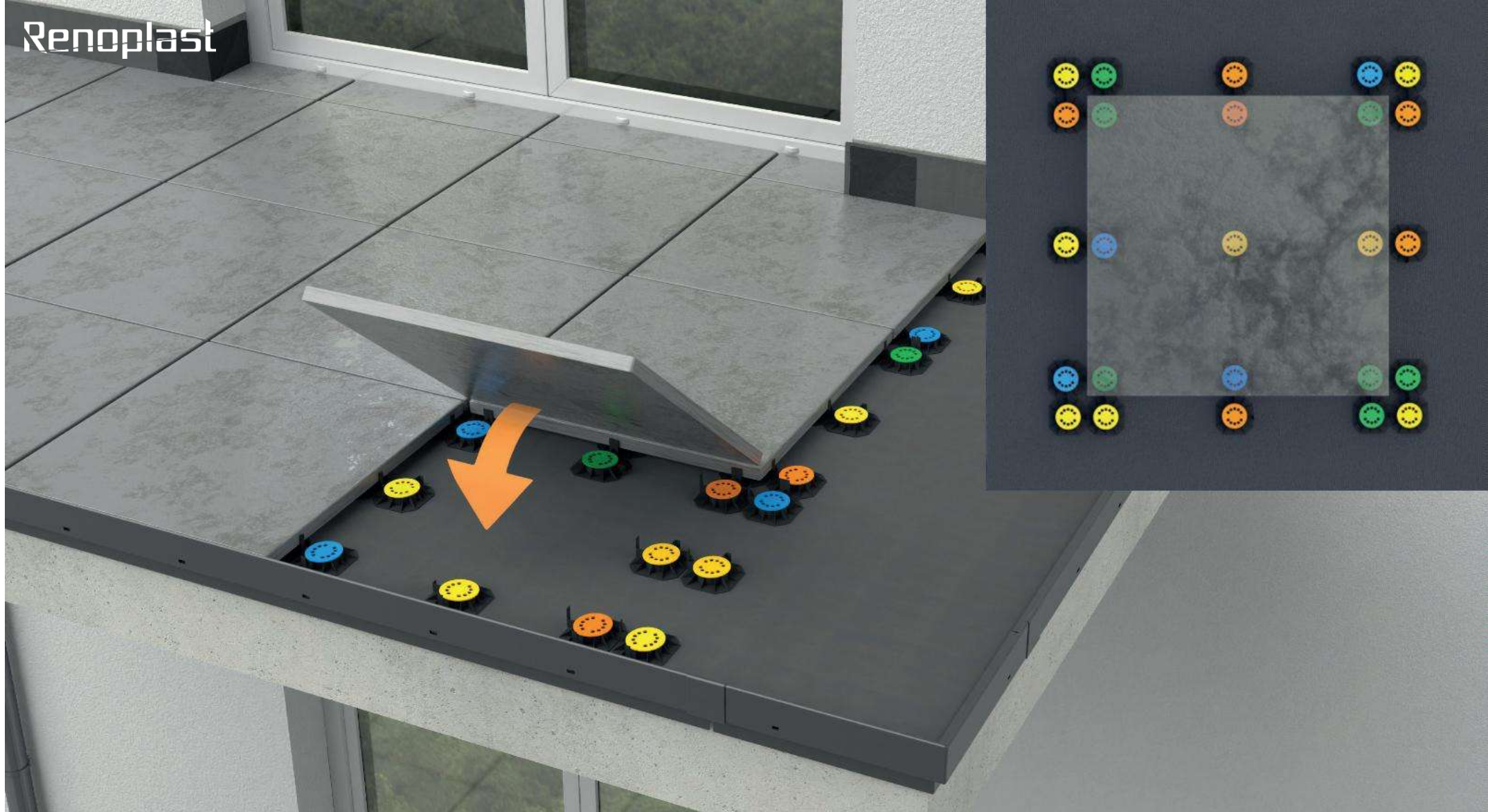
Sealing of Renoplast EPDM membrane joints

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.



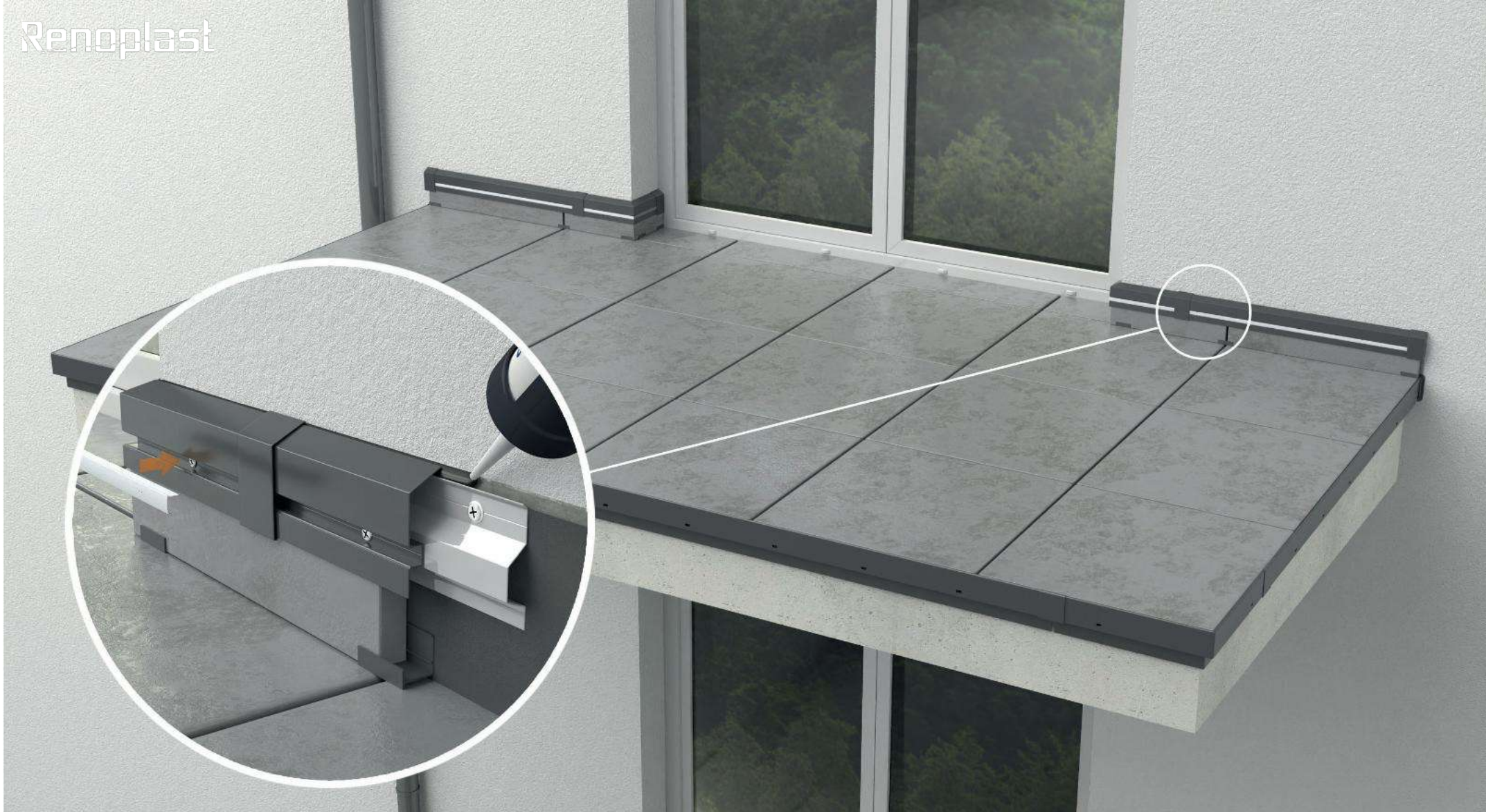
Sealing of doorway and doorsill joints

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



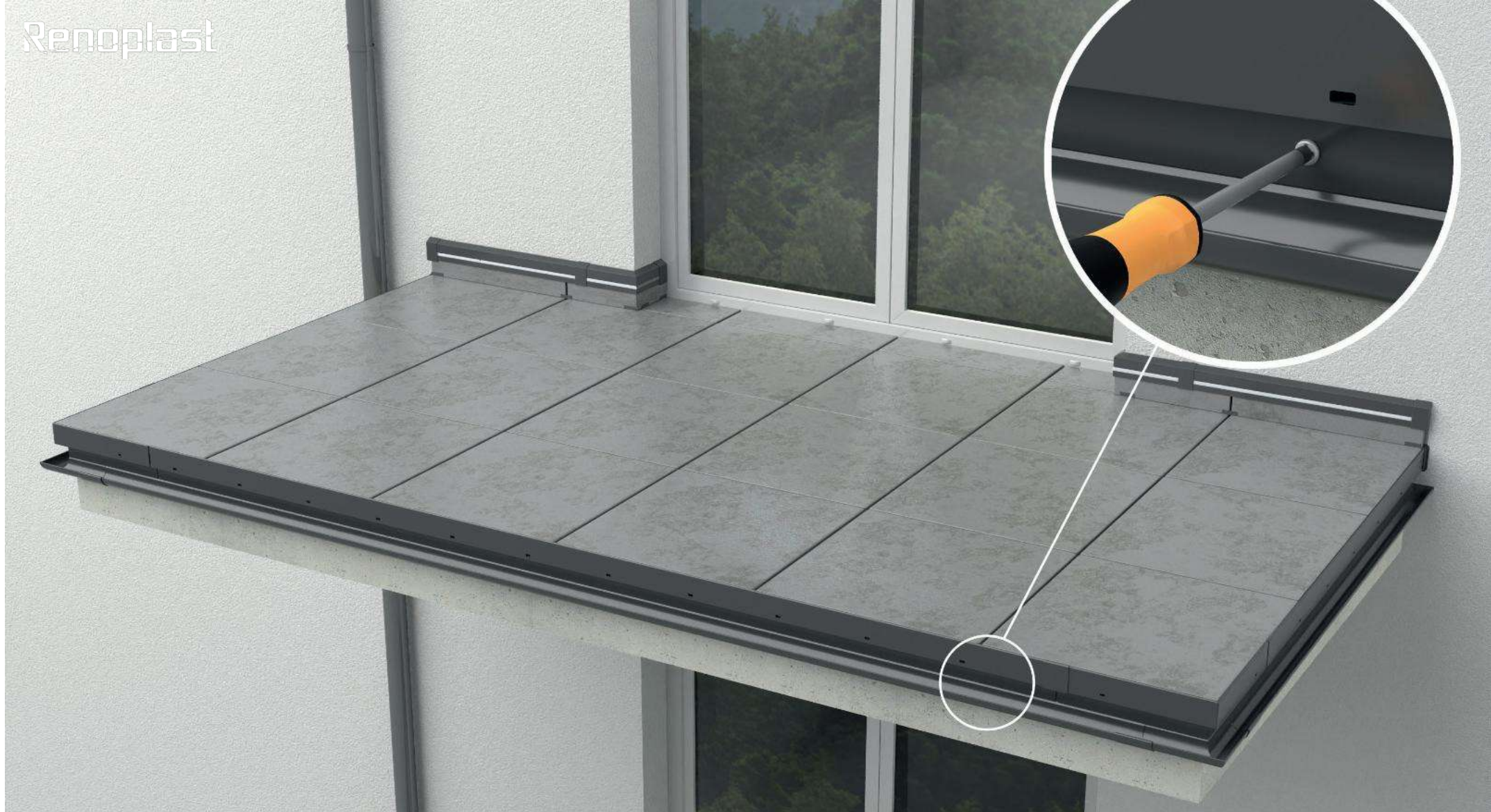
Paving with the use of SMART pedestals

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.



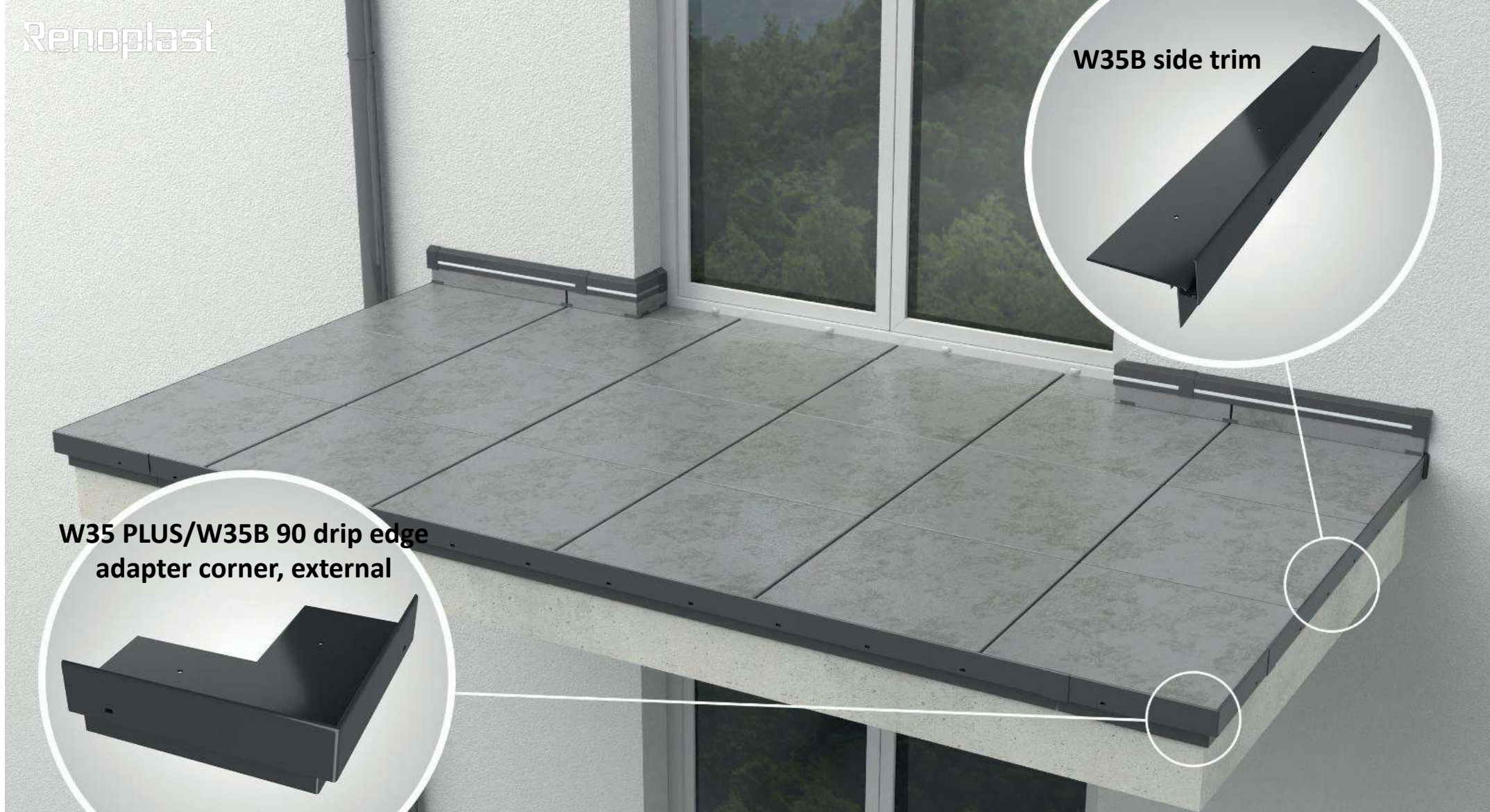
C1/C2 plinth installation

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 **W35 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**.



W35B drip edges (cost-saving option)

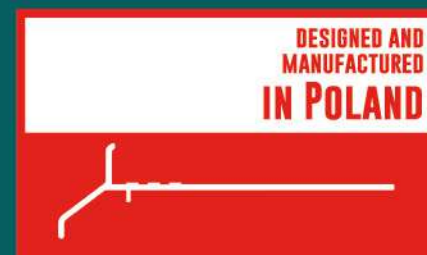
W35B drip edges are a cost-saving trim option for balcony/terrace sides. **W35B drip edges** are used with **W35 PLUS/W35B 90 external corners**. **W35B drip edges** are not compatible with **R50 gutters**.

**NOTES:**

W35 PLUS drip edge has a 35 mm high upstand along the front edge, corresponding to standard thickness of porcelain pavers laid on **SMART** pedestals. In **W35 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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