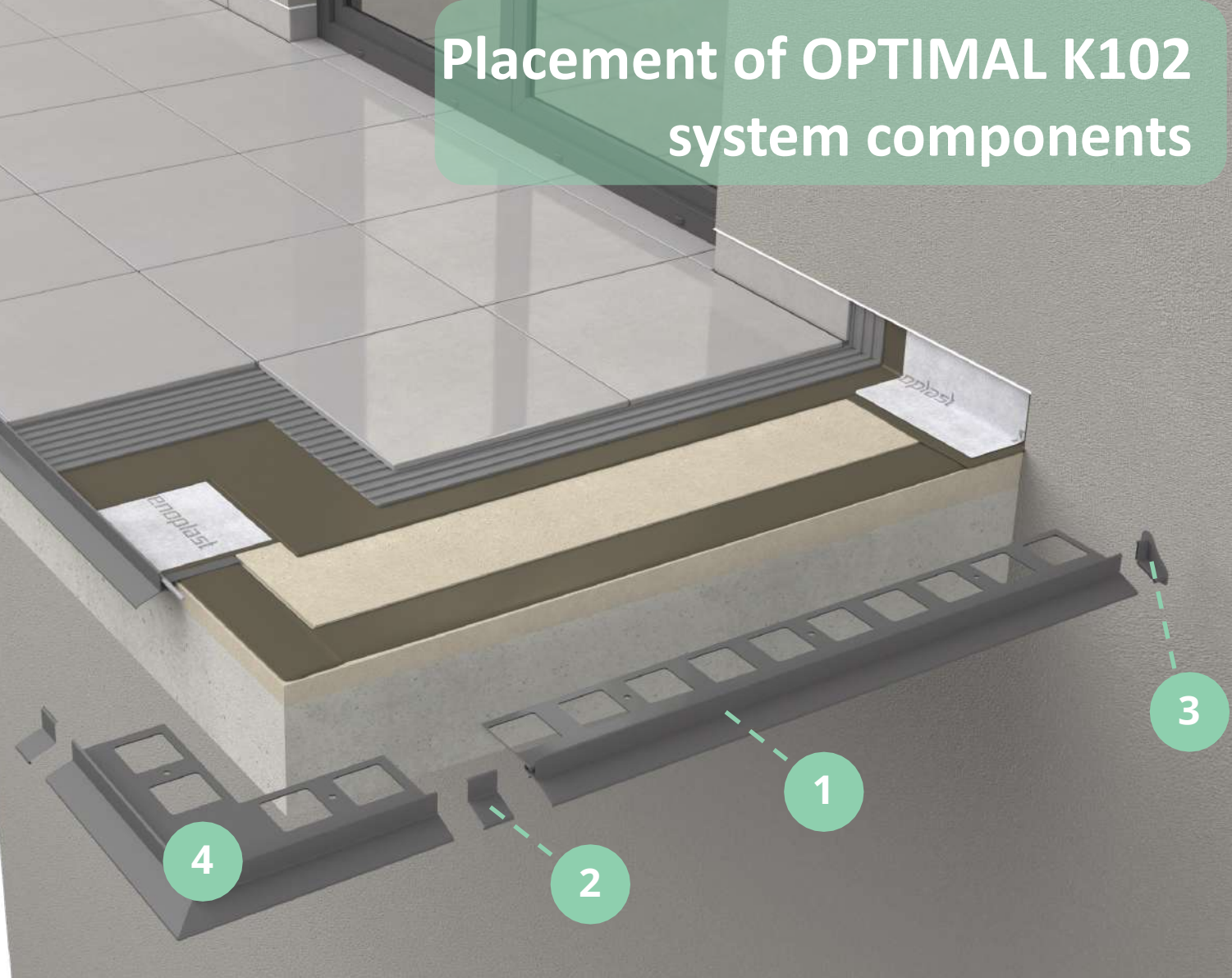


OPTIMAL K102 system installation guide for balconies, patios and terraces surfaced with porcelain pavers fixed with adhesive



Placement of OPTIMAL K102 system components



K102 drip edge
200 cm length



1

LK102
drip edge clip



2

OPK102 R+L
wall protection end caps



3

K102 90 external
corner

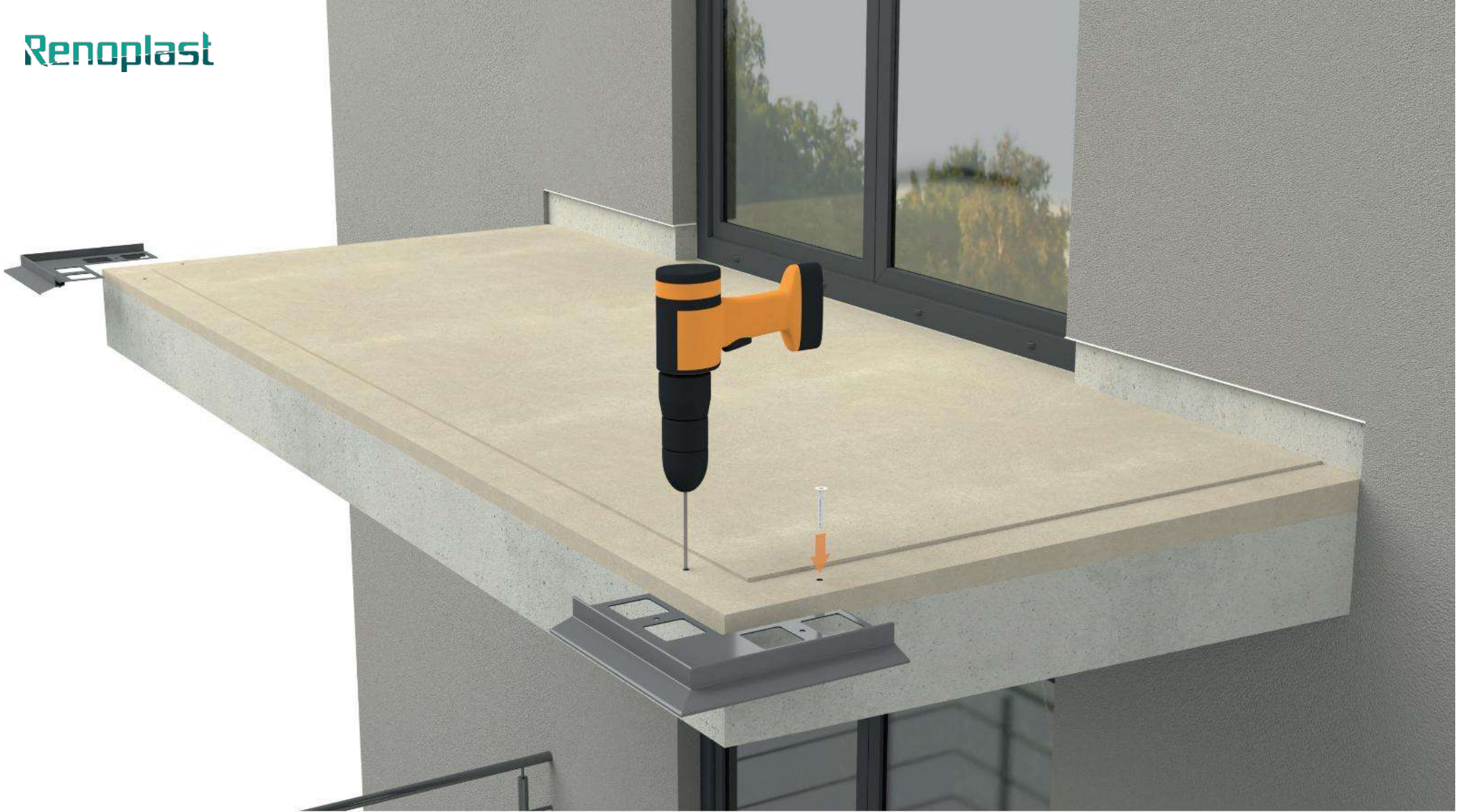


4



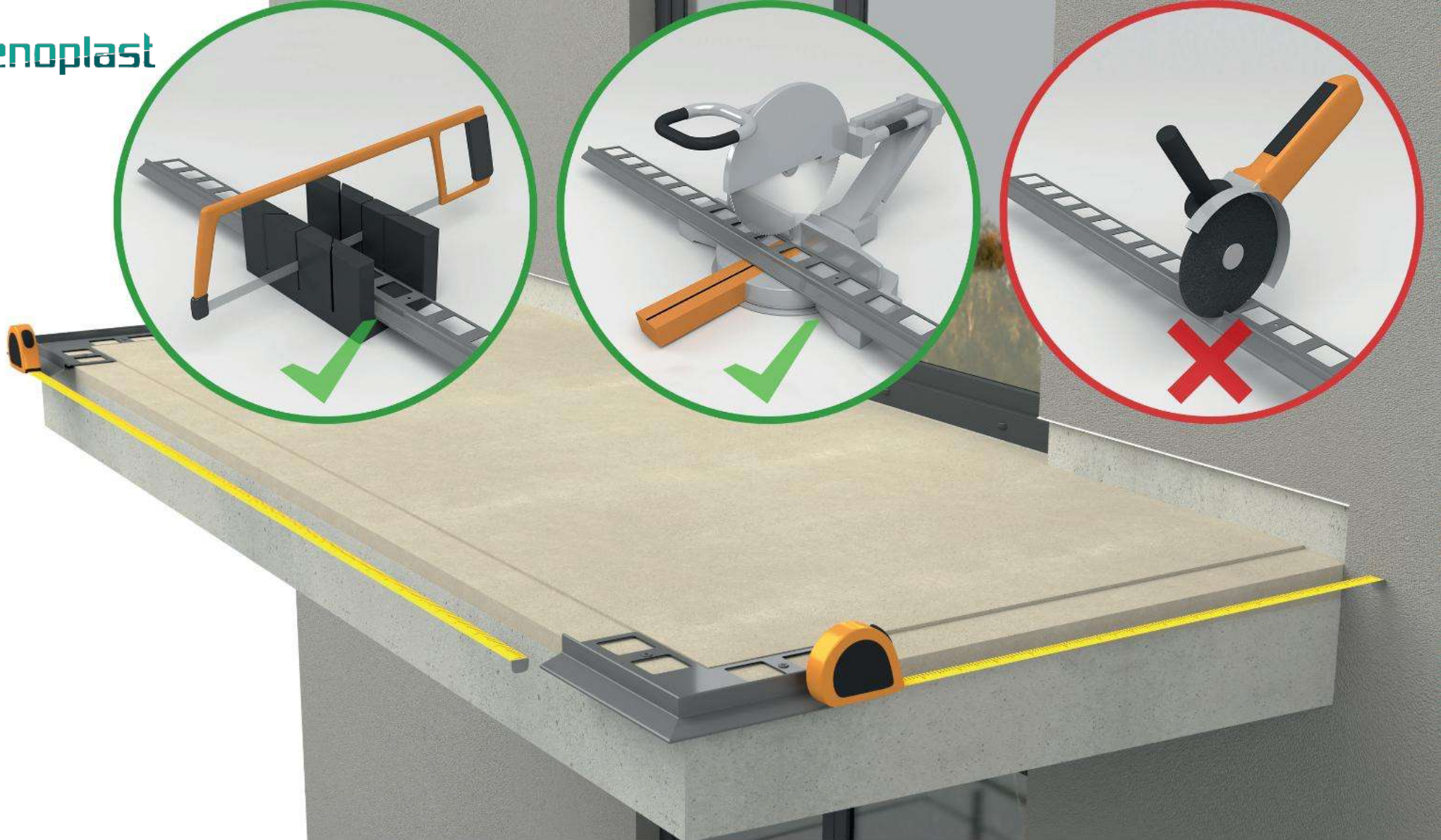
Balcony/terrace floor screed

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.



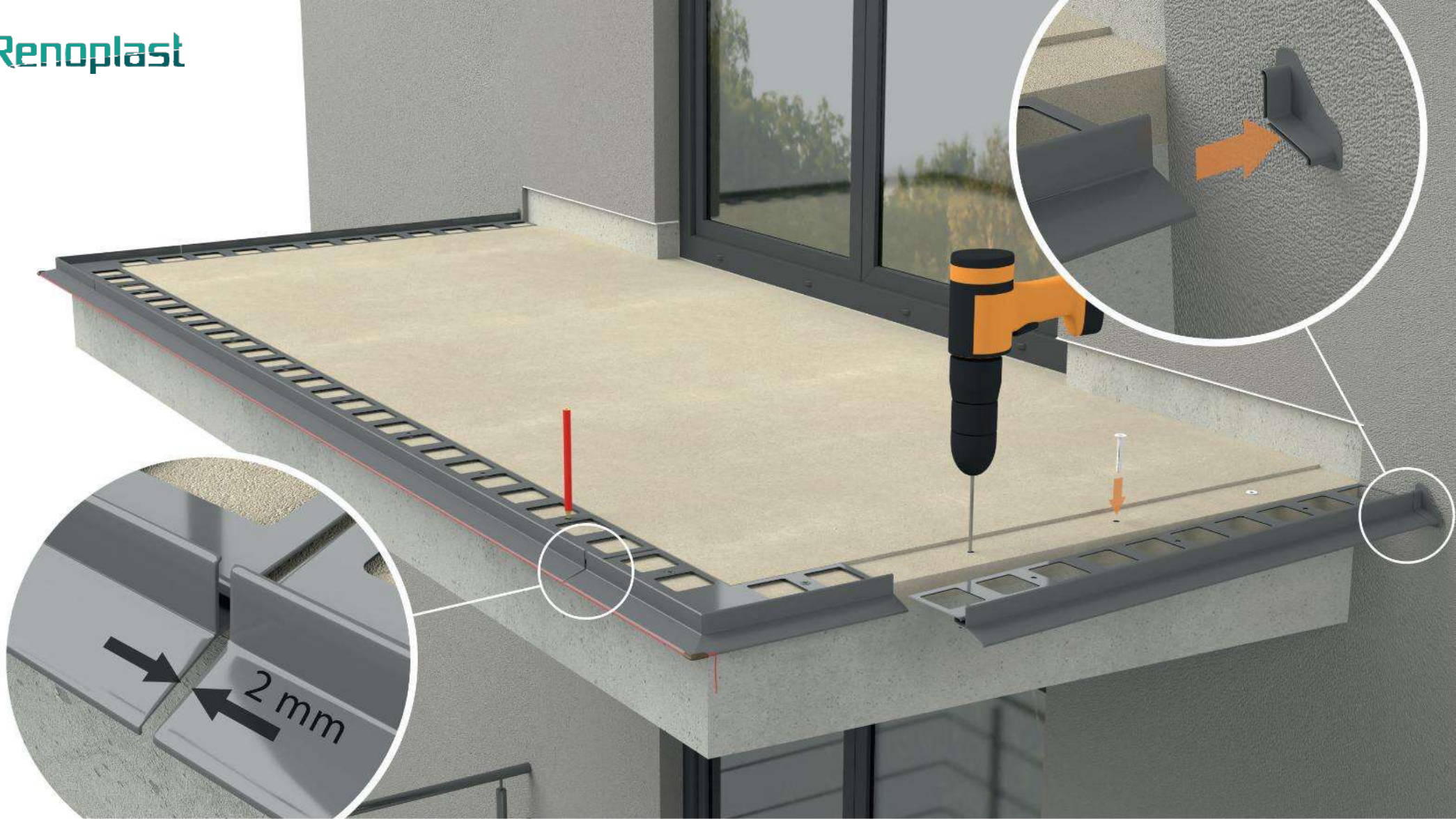
Pre-fitting K102 90 external corners

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



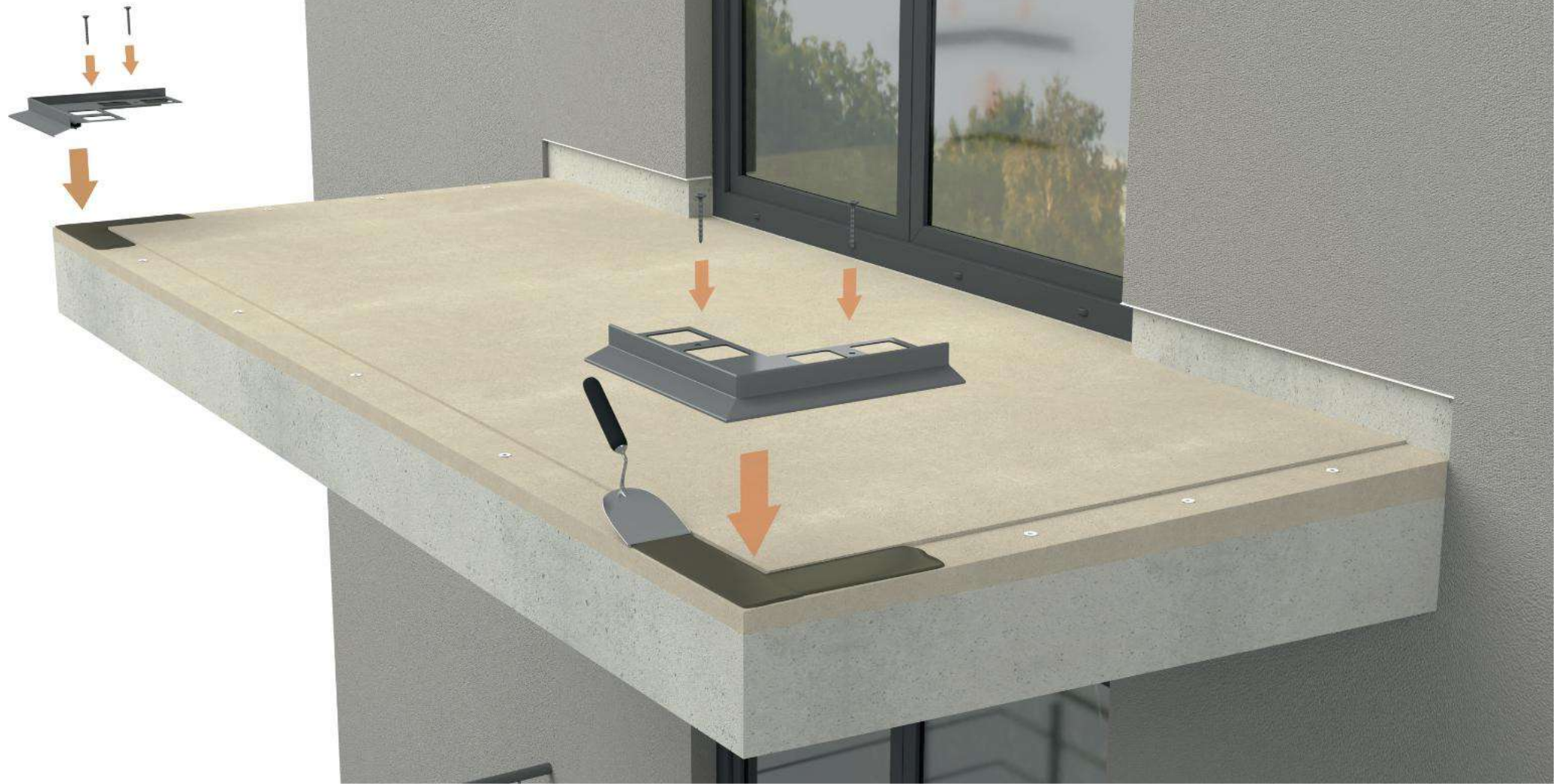
Preparation of K102 drip edges

Measure straight lengths to cut the **K102 drip edges** to the required length. Allow for ca. 2 mm wide expansion joints between adjacent drip edging sections. At walls leave sufficient space for fitting **OPK102 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.



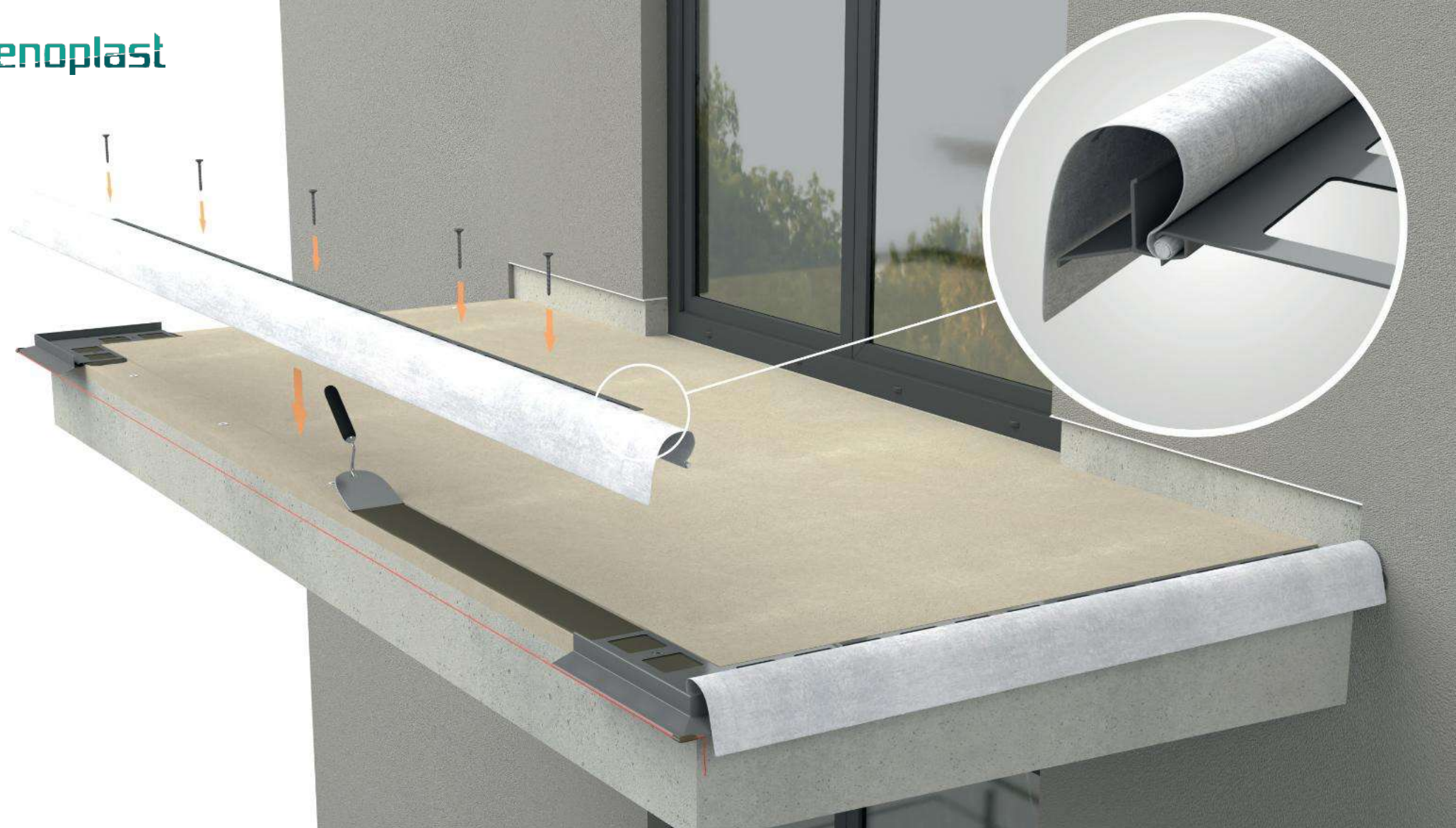
Making fixing holes in the screed

Lay **K102 drip edges** between **K102 90 external corners** and mark fixing holes positions on the screed surface. Remove the drip edging to drill fixing holes in the screed.



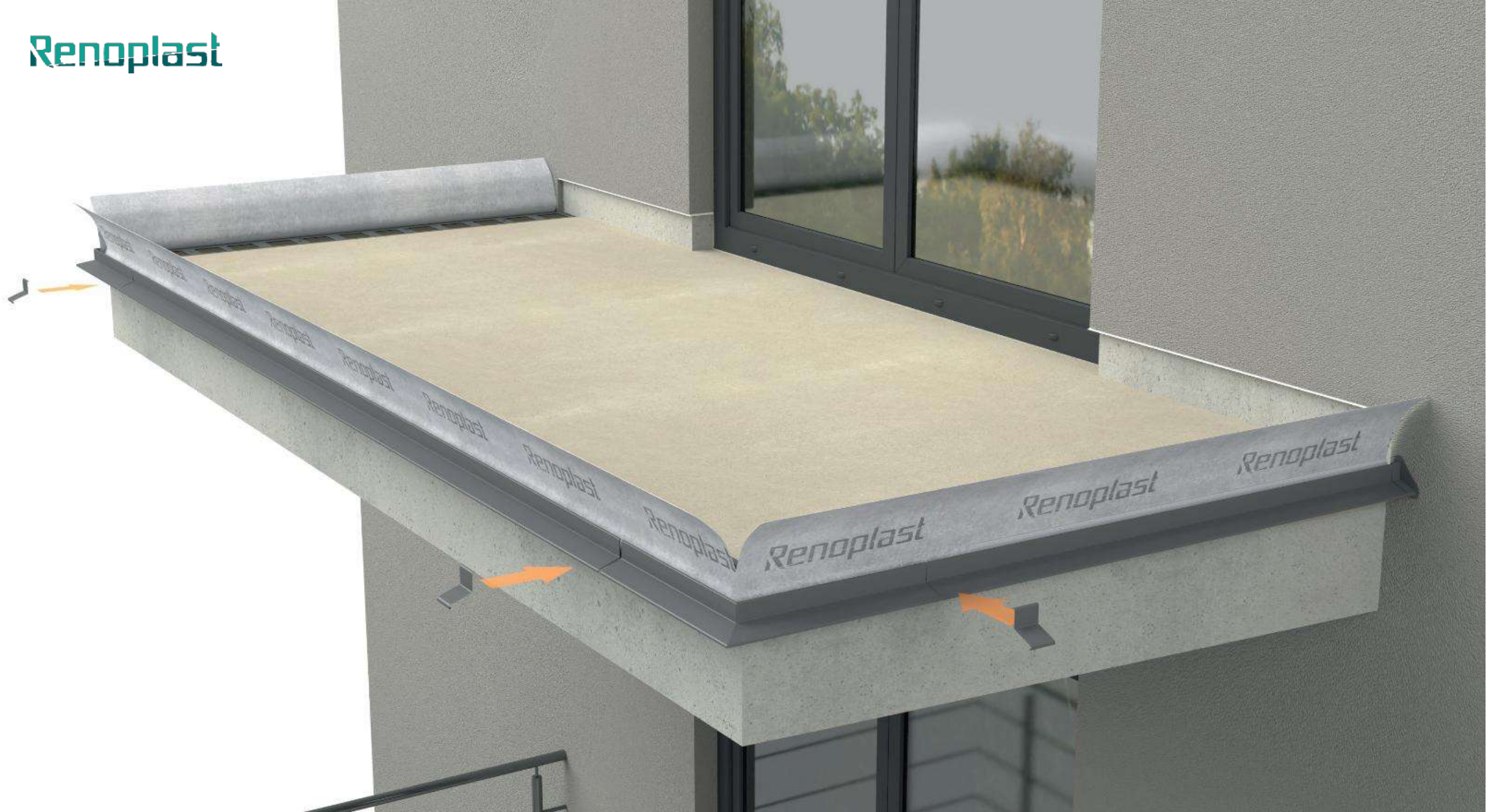
Fixing of K102 90 external corners

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.



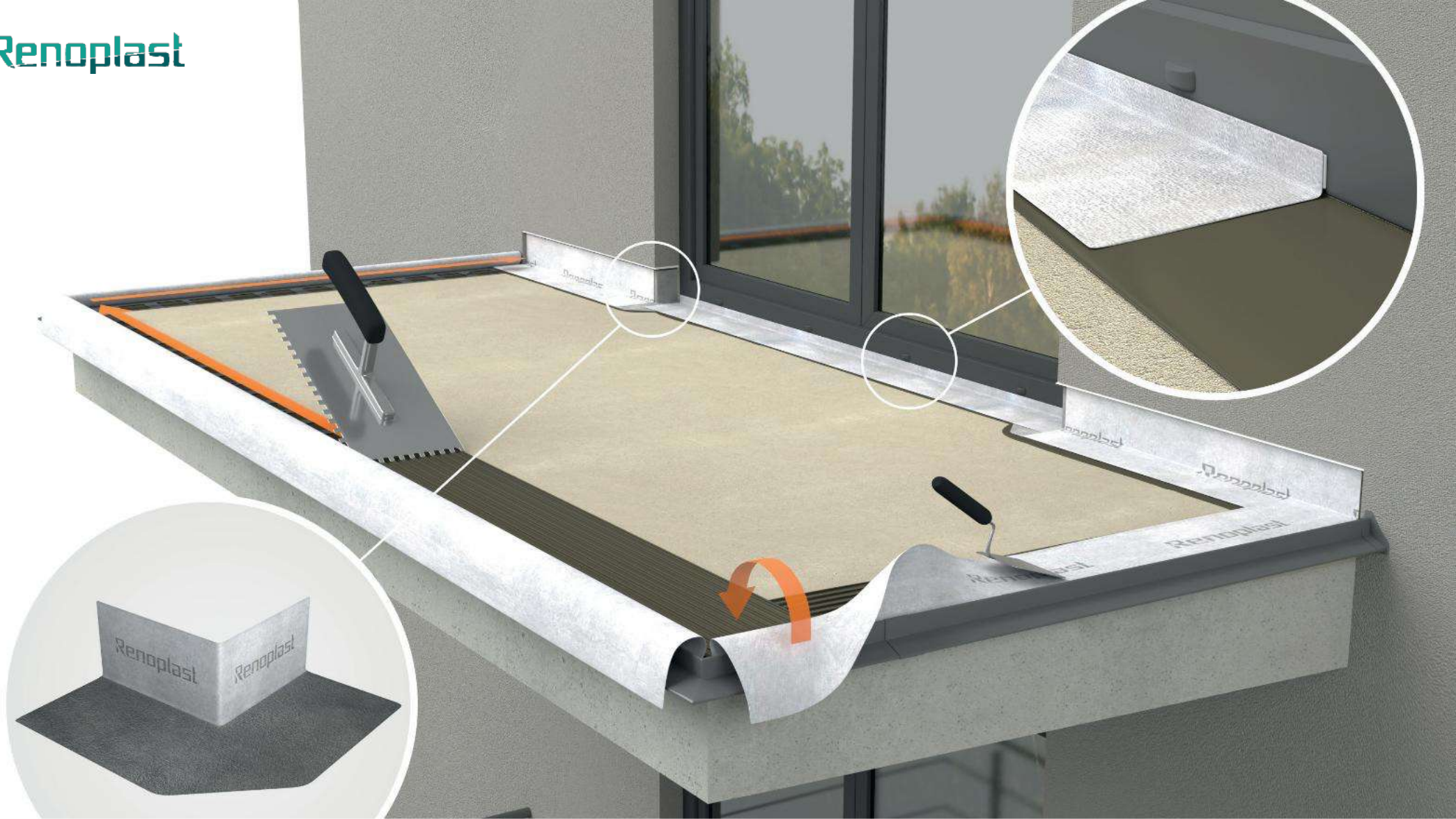
Fixing of K102 drip edges

As the first step insert **CLEVER 120 tape** into a factory made groove in **K102 drip edges** making 10 cm laps at joints between tape lengths. Next, insert the straight sections into pre-installed corners and secure them in place. 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.



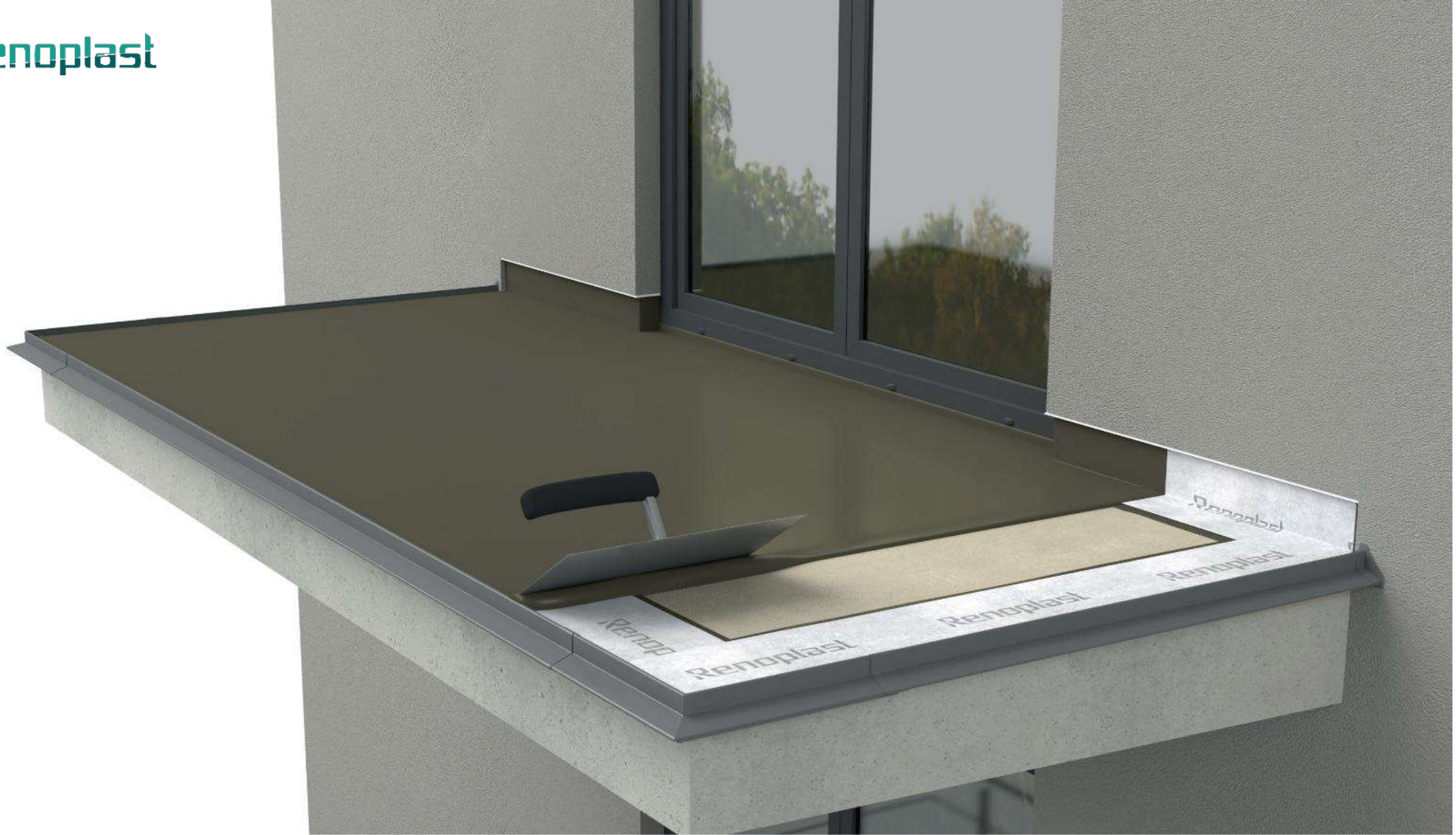
Sealing of joints and fitting LK102 drip edge clips

Fill edging joints with a flexible (e.g., polyurethane) sealant and snap the clips as shown.



Sealing drip edging and door sill joints with the floor screed

Drip edging/screed joints are sealed with **PL3 sealing tape** embedded in sealing slurry. Door sill/screed joints are sealed with **threshold sealing membrane with self-adhesive butyl strip**.



Application of sealing slurry waterproofing layer

Sealing slurry layer is placed on the screed as a floor waterproofing layer, as per the slurry manufacturer's instructions.



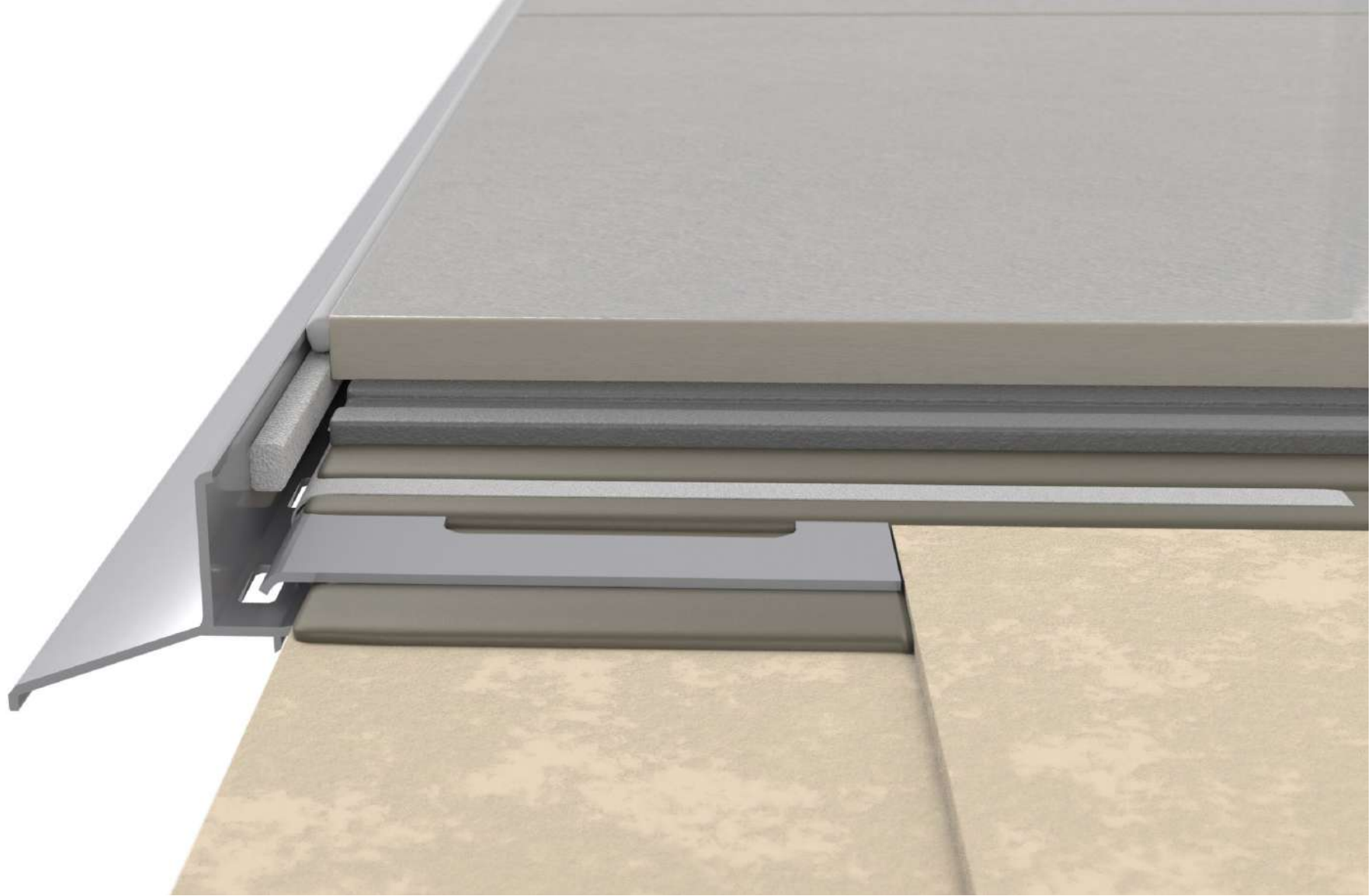
Laying porcelain pavers

Once the sealing slurry has cured lay the pavers using tile adhesive suitable for outdoor use (we recommend C2-S1/ or C2-S2). The pavers should be laid against factory bonded backing rod of **K102 drip edge**.



Sealing the floor/trim joint and other joints

First insert a 6 mm backing rod into the floor/sill and floor/skirting joints. Next apply flexible (e.g. polyurethane) sealant over the backing rod. Note that **K102 drip edges** feature a factory bonded backing rod.

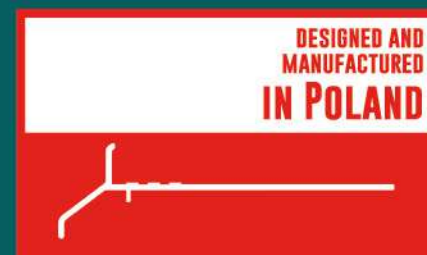


NOTES:

In **K102 drip edges** the drain holes are positioned below the waterproofing layer to ensure efficient drainage of water from the bottom layers. **K102** has been designed to protect the paving edges and ensure watertight joint at eaves. **K102** has a groove to accept our **CLEVER 120 tape**.



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