

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

RENOPLAST K10 BASIC

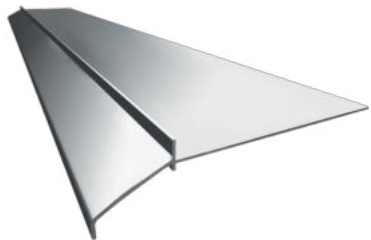
system with thin-bed resin floor



Layout of components of the RENOPLAST K10 BASIC system



Straight profile K10
length 200 cm



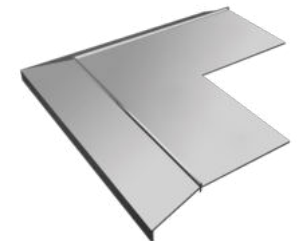
Connector LK10



OPK10 End stops
(left/right)



NZ K10/90
Outside corner 90°





Balcony/terrace floor bases

The base should be even and load-bearing with a slope of 1.5 - 2% towards the front edge. It is recommended that along the edge of the underlay on the width of the mounted profile 80 mm, lower the underlay to a depth of about 3 mm, so that the mounted profile is flush with the base plane.



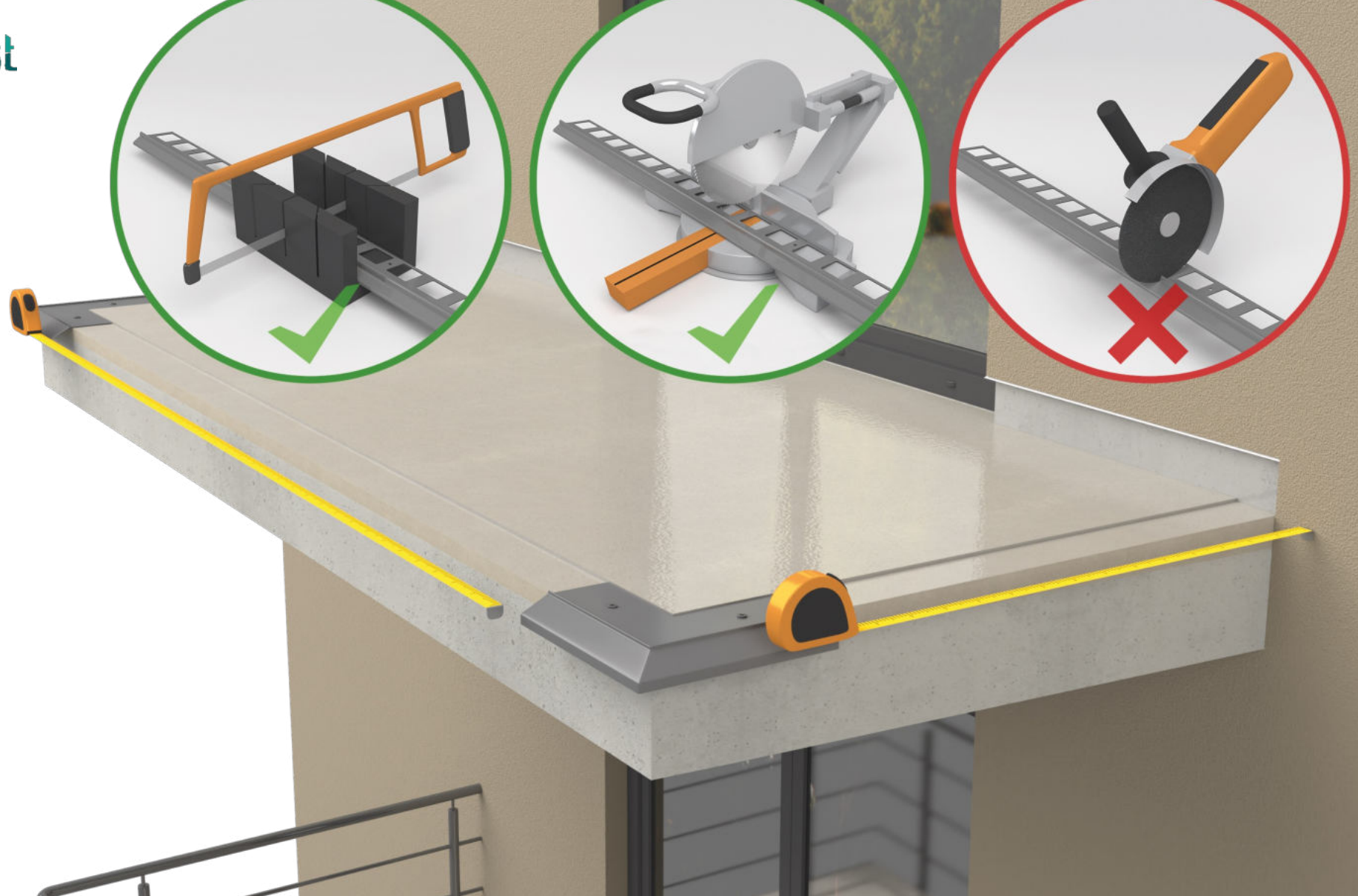
Priming the cement base

Apply a layer of soil on the base. The primer used should be appropriate to the one used technology.



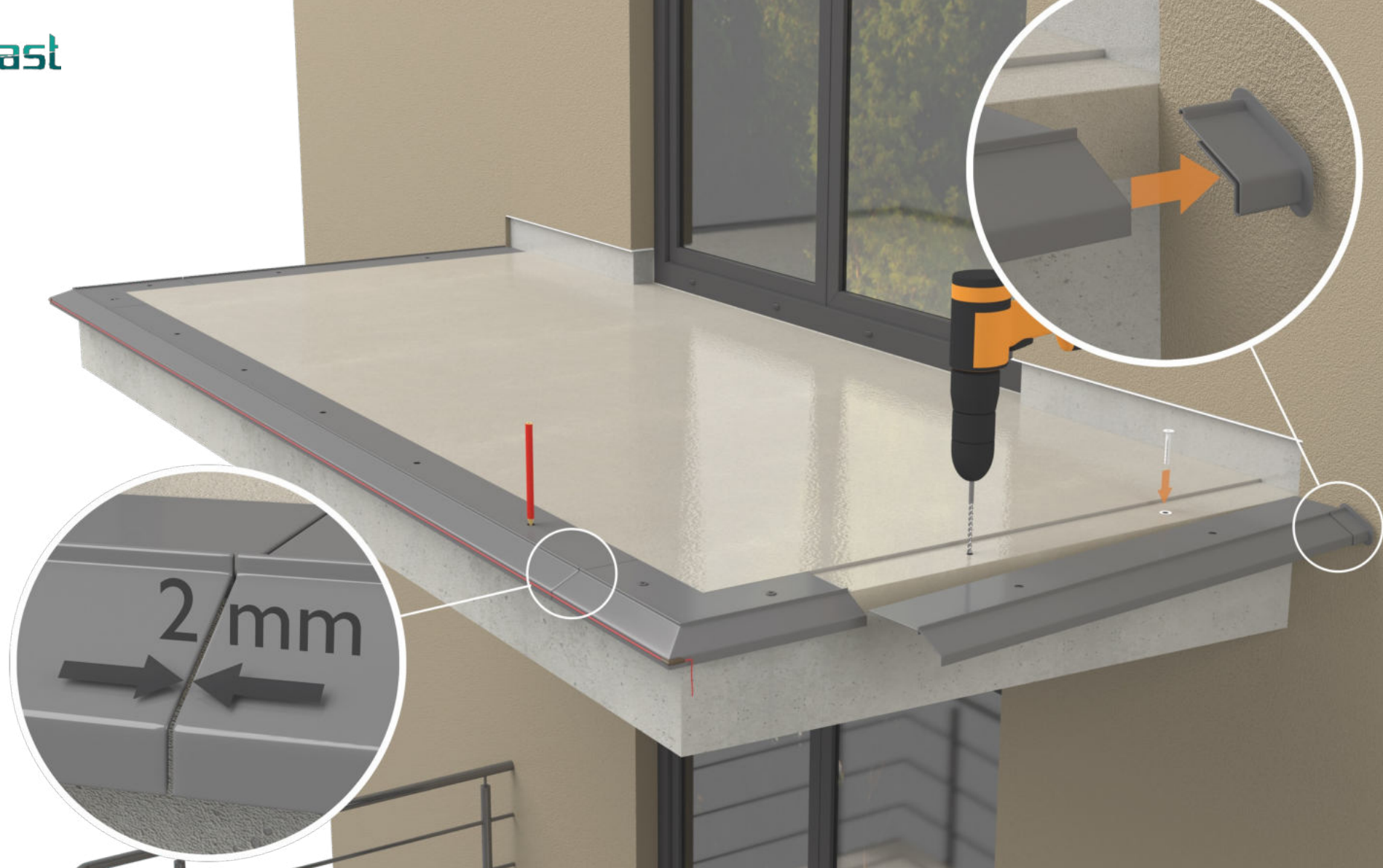
Pre-assembly of NZ K10/90 corners

We start the work with the initial fixing of the corners, using expansion bolts (expansion bolts in a set with a corner).



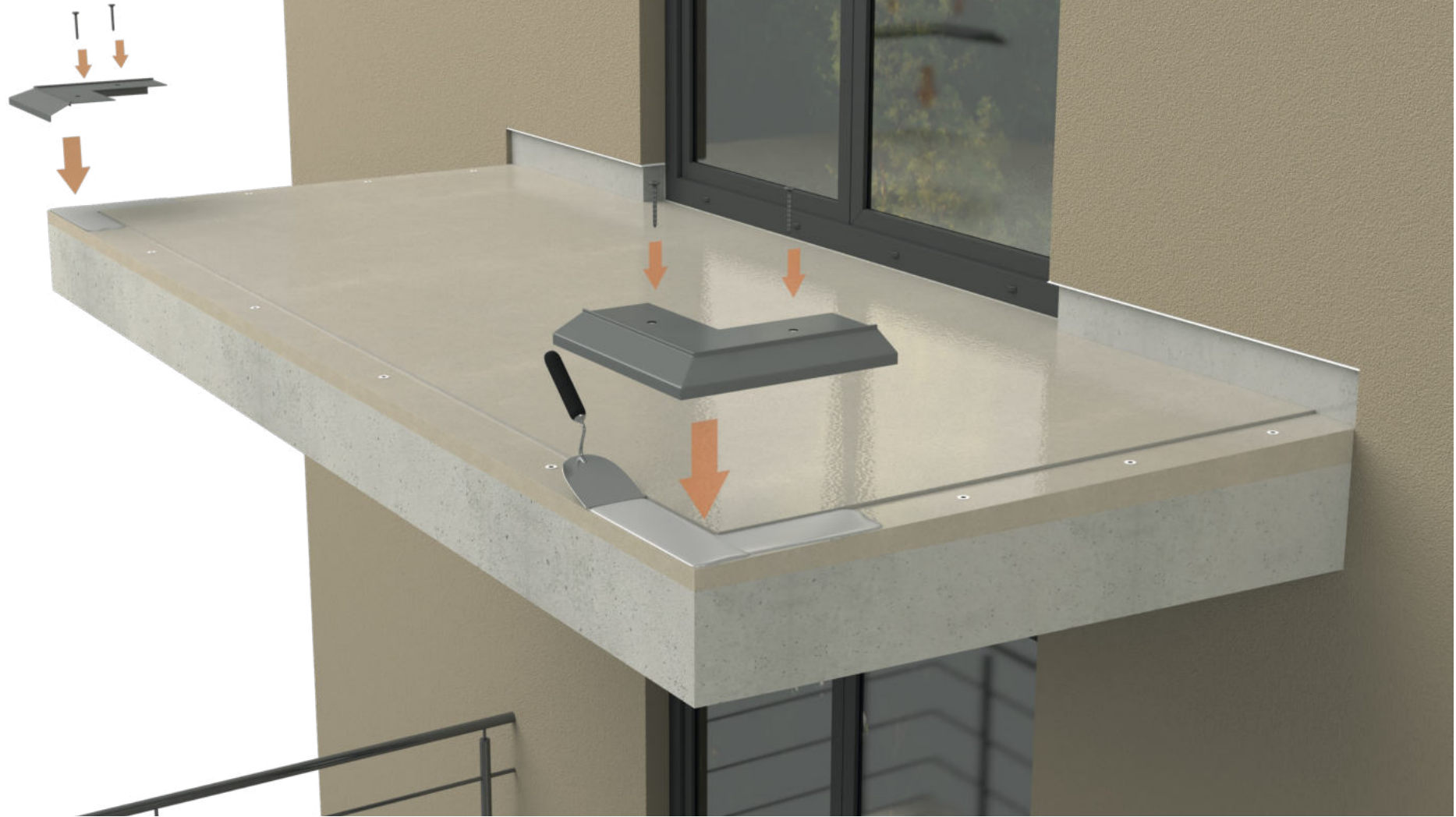
Preparation of straight profiles K10

The next step is to measure the straight sections to prepare (cut) the straight profiles. The straight sections must be prepared in such a way as to leave expansion gaps of approx. 2 mm at the joints and a space of approx. 2 mm at the wall for the **OPK10** end stop. 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 cause damage the paintwork, which is unacceptable.



Making mounting holes in the underlay

Between the corners **NZ K10/90** we place straight **K10** profiles, mark the places for mounting holes on the base. We remove the profiles, then drill the mounting holes.



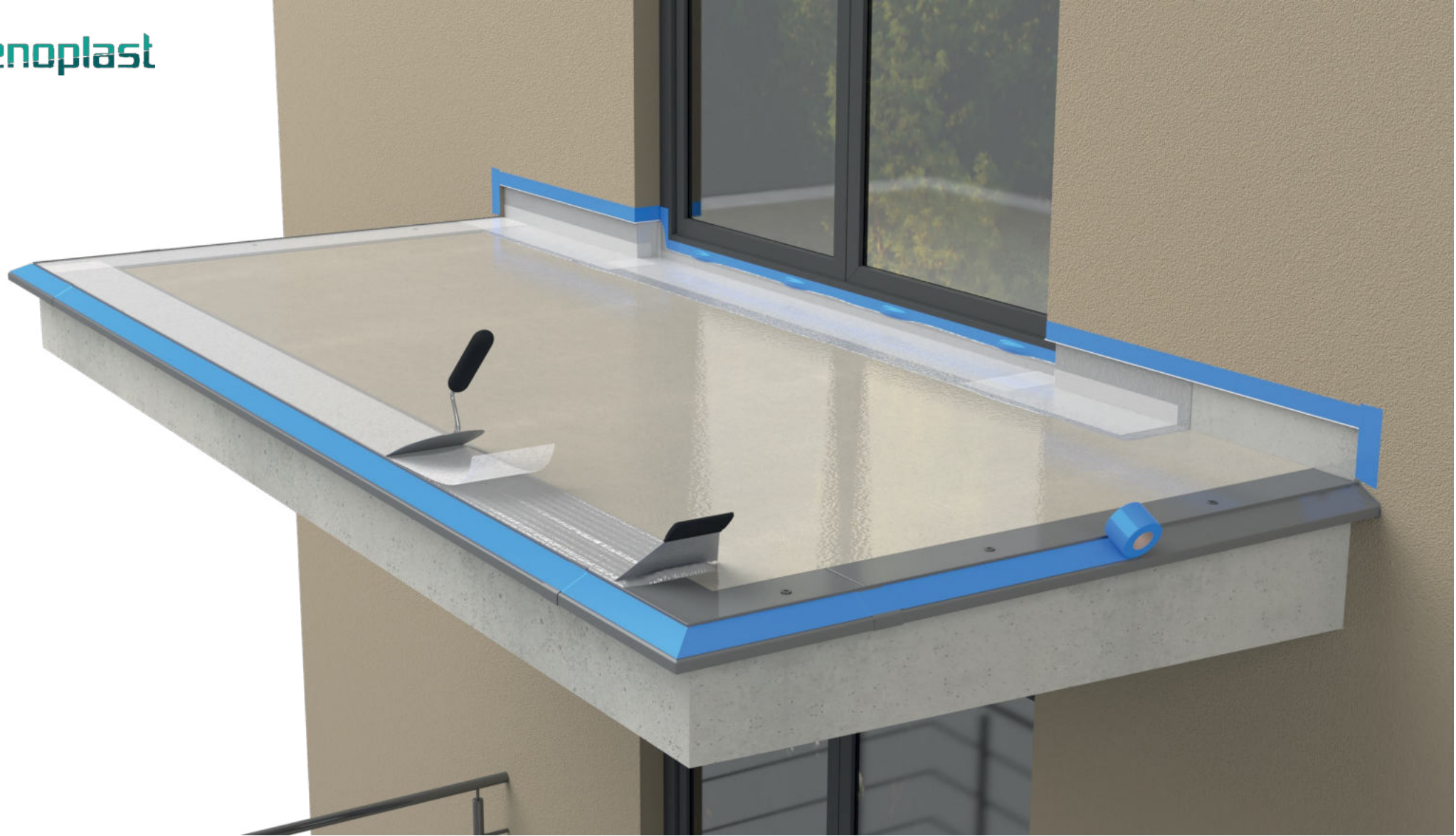
Installation of corners NZ K10R/90

The corners are placed on the resin mass or sealing mass, and then mechanically fastened with the help of pre-installed expansion bolts. Tighten the screws after the resin/sealing compound has set.



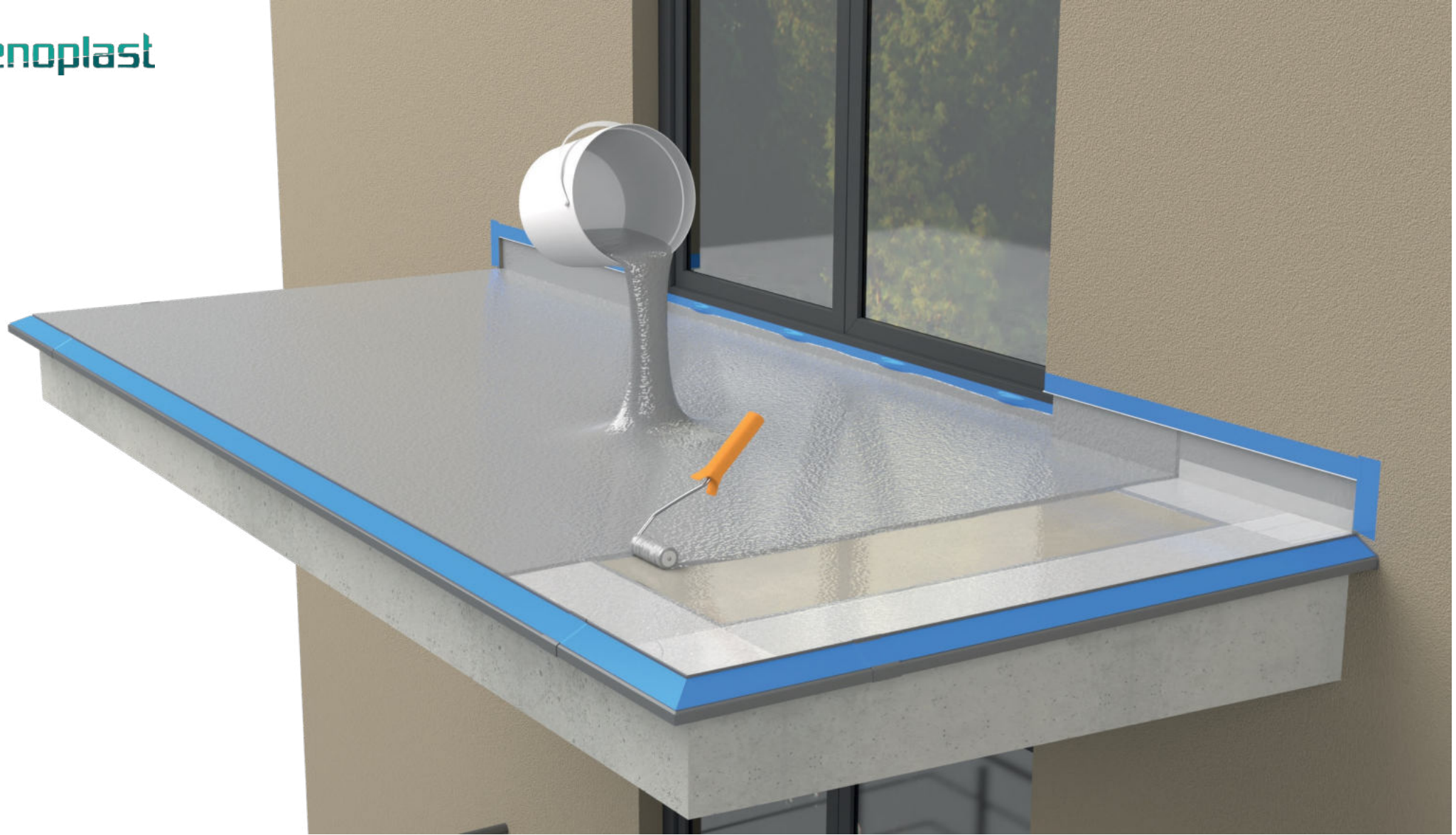
Installation of straight K10 profiles

Straight profiles are set in the same way as corners. Using a string stretched between the corners and spirit level, we take care of their even assembly. The gaps at the profile connections are filled with permanently elastic mass (e.g. polyurethane), and from the outside we install **LK10** connectors.



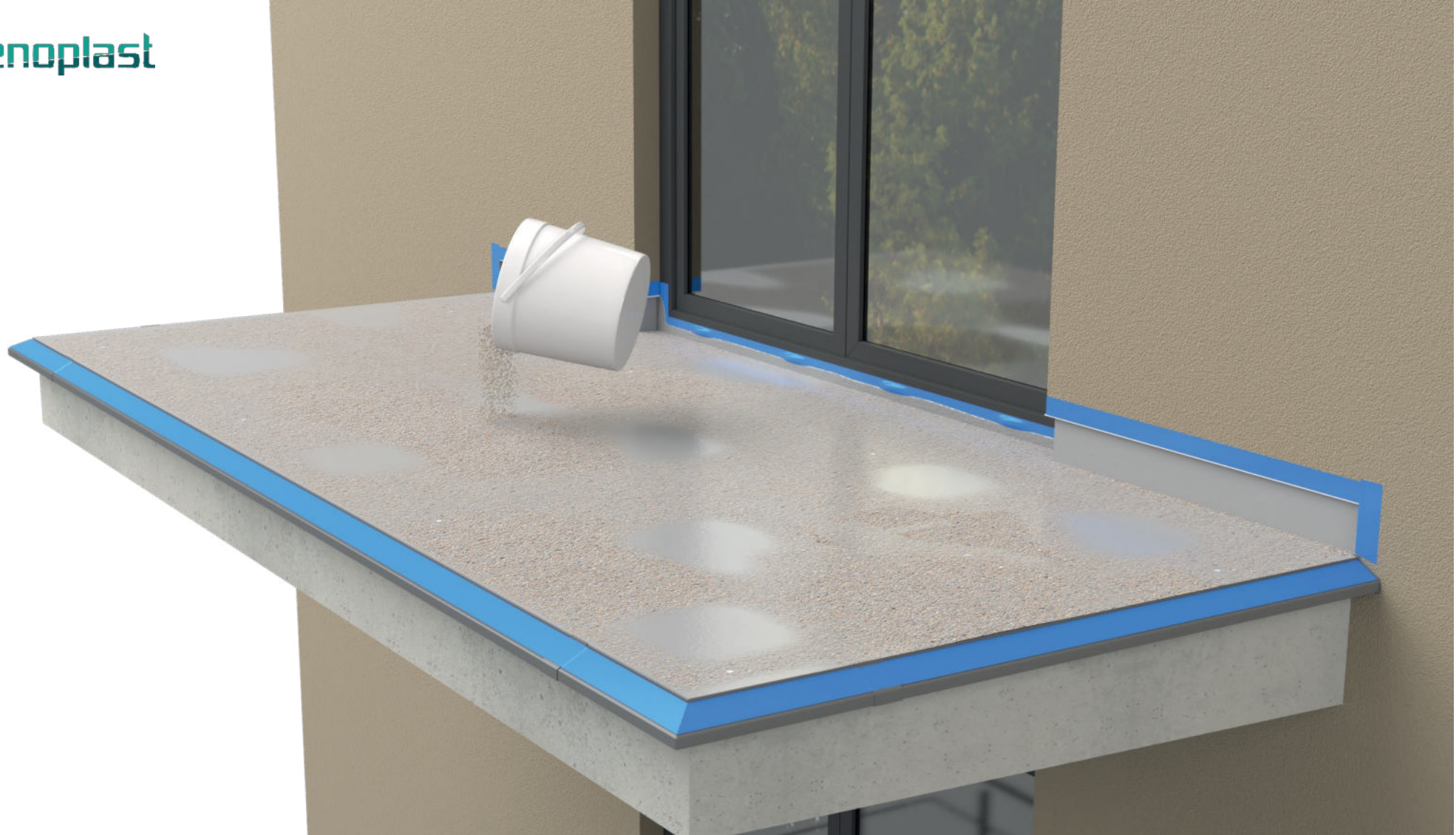
Execution of connection of profiles with the foundation

We connect the profiles with a cement base, non-woven fabric or mesh glued on the resin. Depending on the recommendations According to the manufacturer's specifications, the non-woven fabric/mesh may be embedded only at the connection with the profiles or over the entire surface.



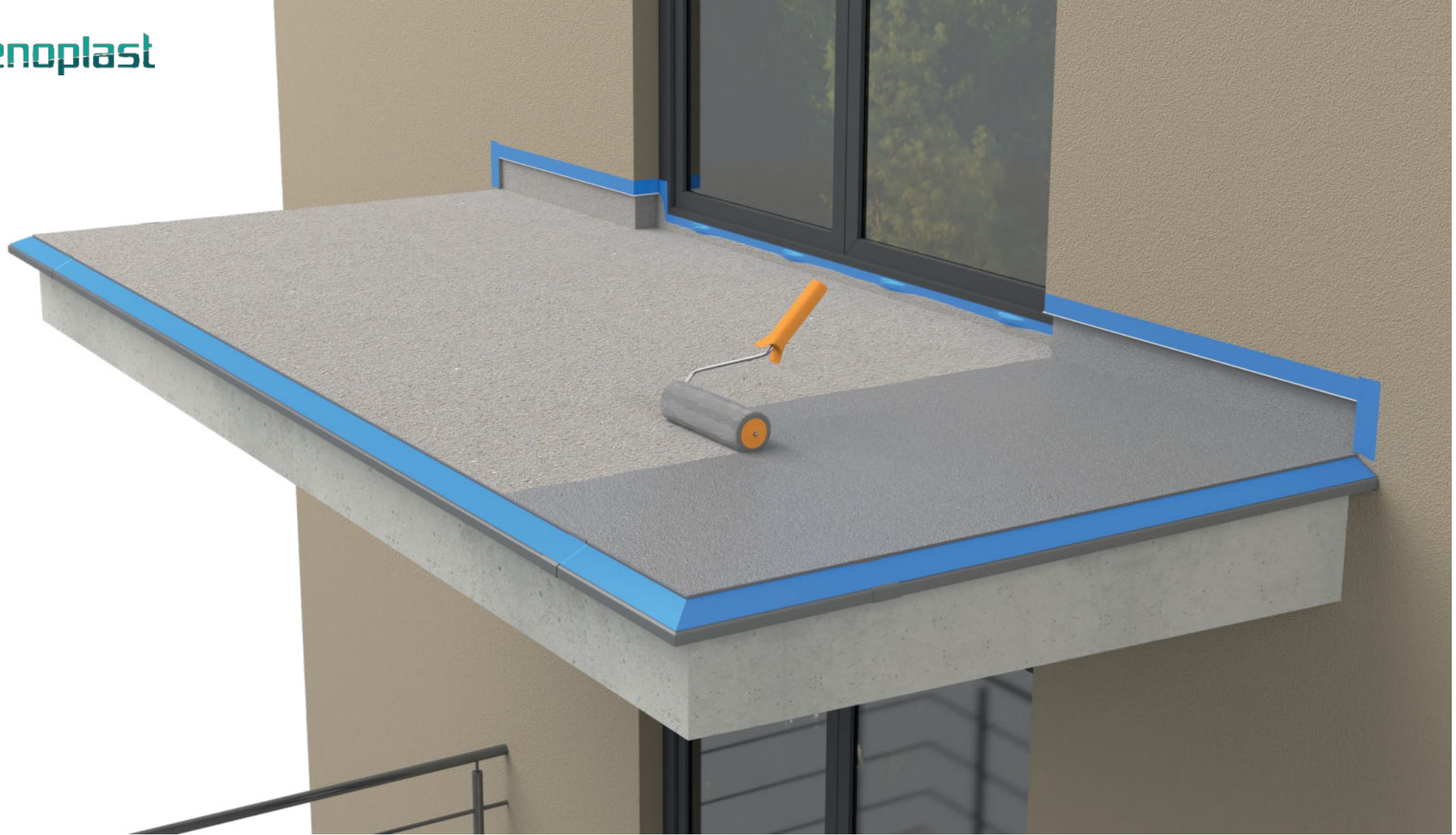
Making a waterproofing layer of resin

On the entire surface of the base, use a roller or a comb trowel to spread the resin forming a layer waterproofing.



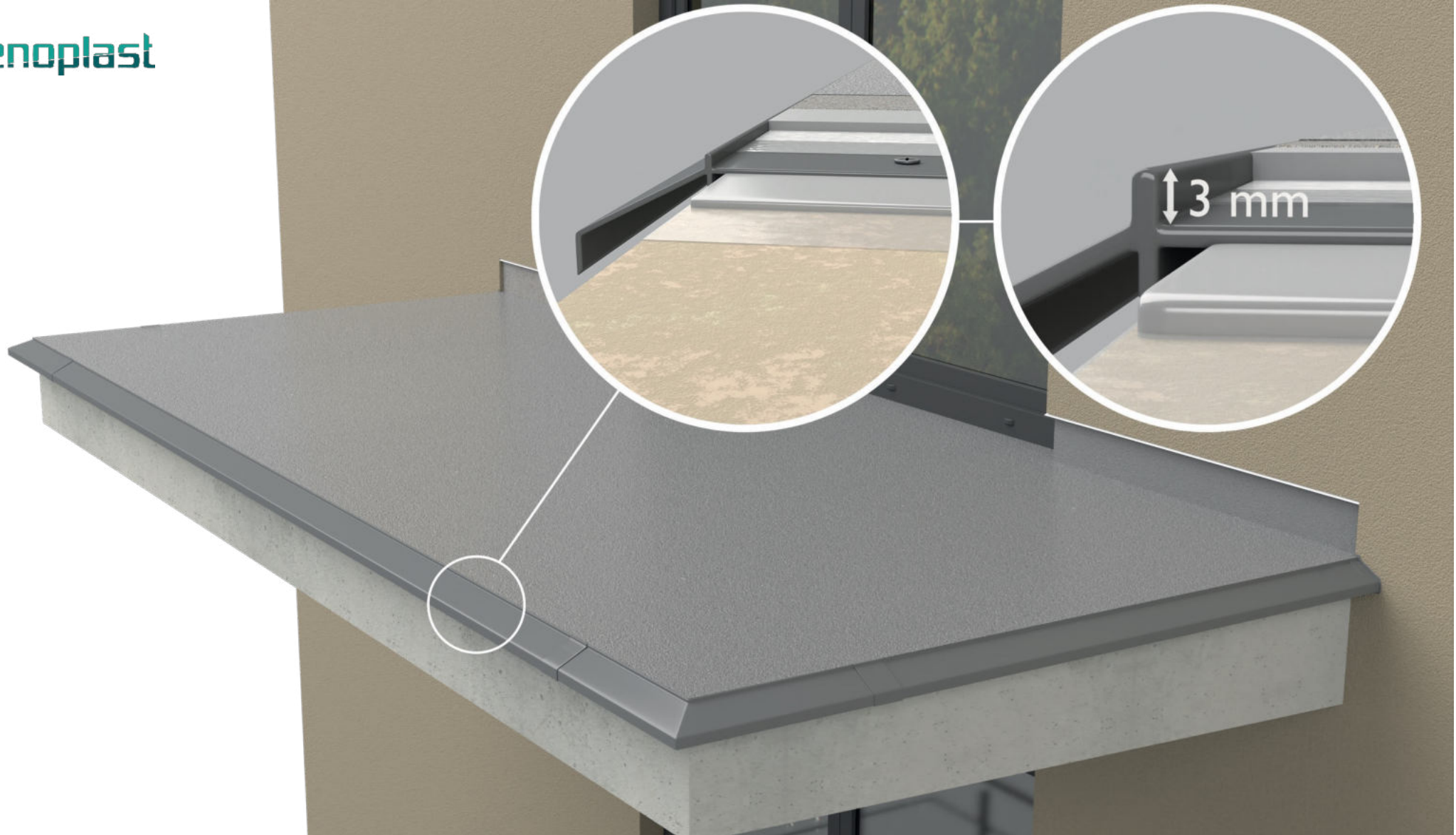
Anti-slip layer of quartz sand

Cover the unbound resin layer with dry quartz sand. The sand used must be suitable for the technology adopted (fraction, moisture content). Remove excess sand after the resin has set.



Surface finishing of the resin floor

We cover the entire surface with a layer of sealing resin. This layer gives the floor its colour and texture and can be further decorated by scattering decorative flakes (this is done immediately after applying the resin).



COMMENTS:

The front edge of the **K10** profile has a height of 3 mm, which corresponds to resin floor systems with a total layer thickness 2-4mm. This manual presents general recommendations suitable for three-layer resin floors (soil, waterproofing, closing layer). The technology may vary depending on the material manufacturer's guidelines.