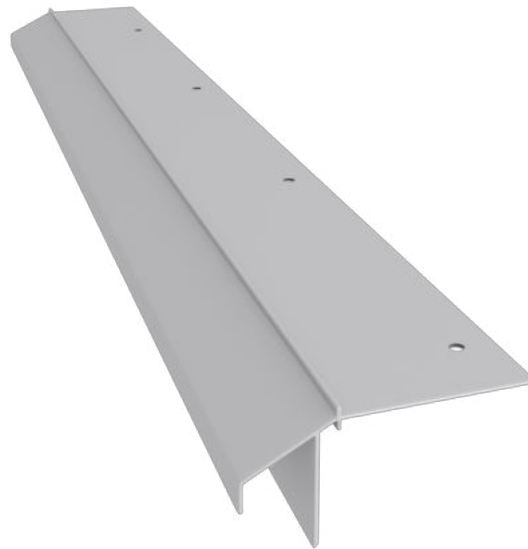


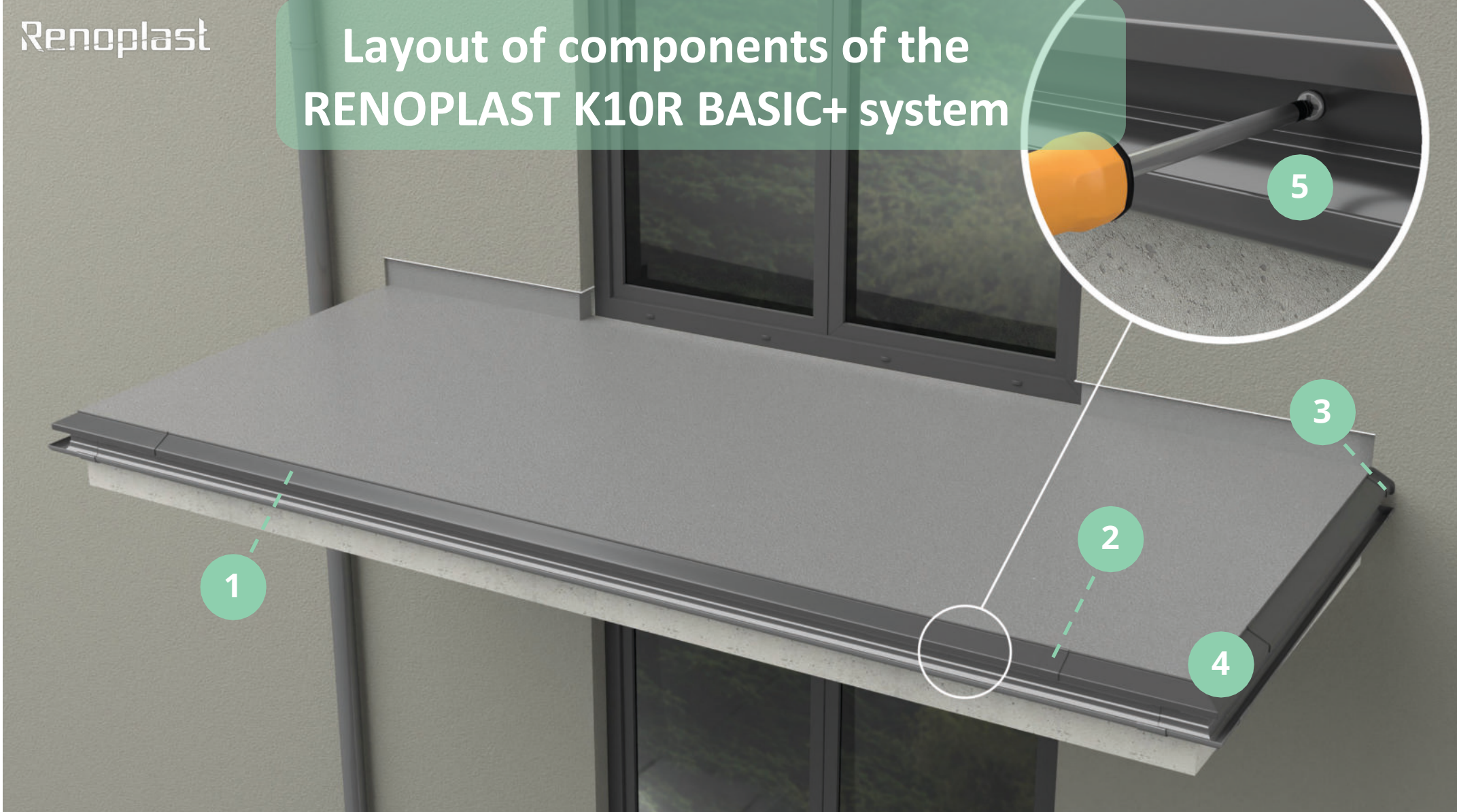
Brief instructions sheet on how to build a balcony/terrace using the

## **RENOPLAST K10R BASIC+**

system with thin-bed resin floor



# Layout of components of the RENOPLAST K10R BASIC+ system



**Straight profile K10R**  
length 200 cm



1

**Connector LK10R**



2

**OPK10R End stops**  
(left/right)



3

**NZ K10R/90**  
Outside corner 90°

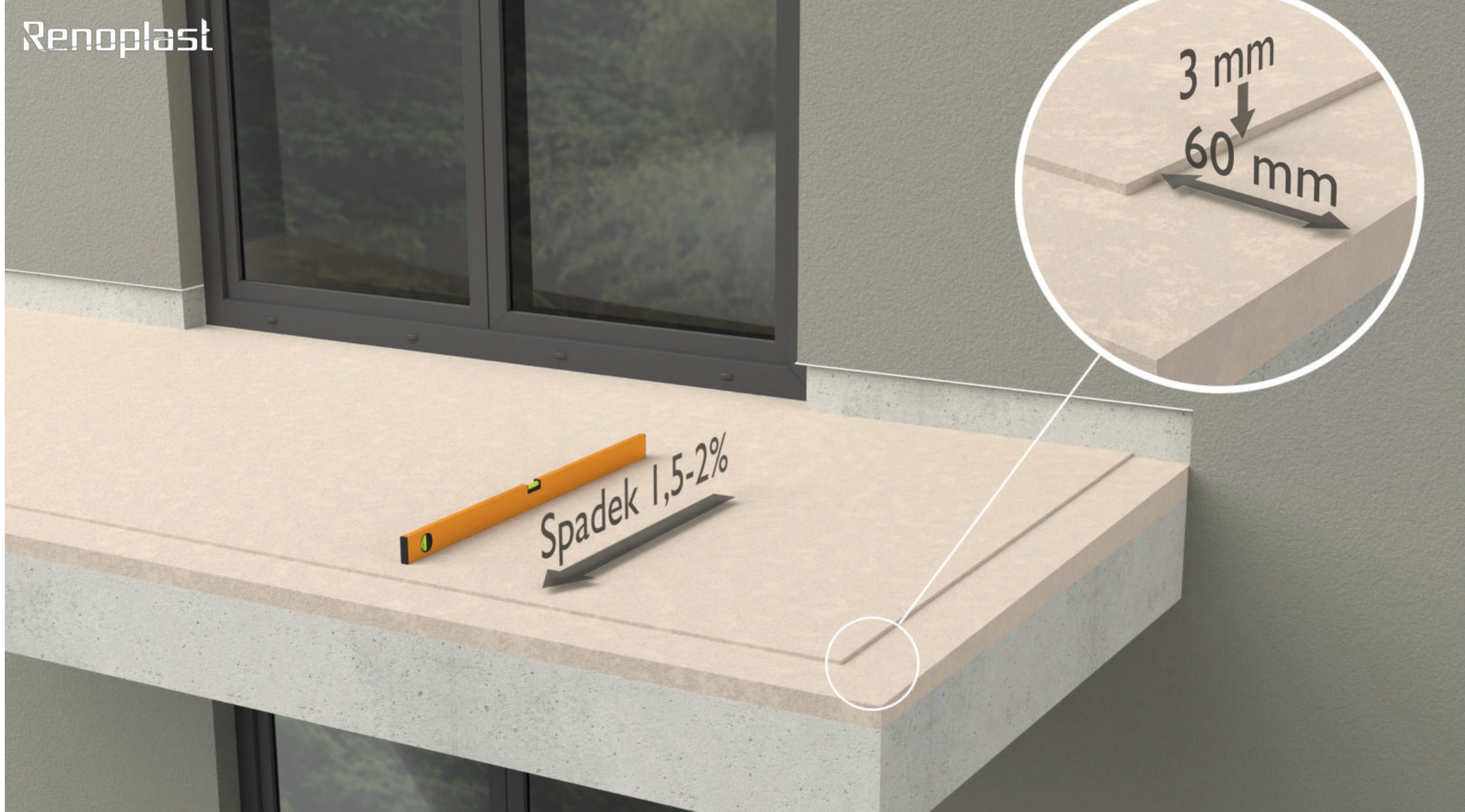


4

**Gutter R50**



5



### 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 60 mm, lower the underlay to a depth of about 3 mm, so that the mounted profile is flush with the base plane.



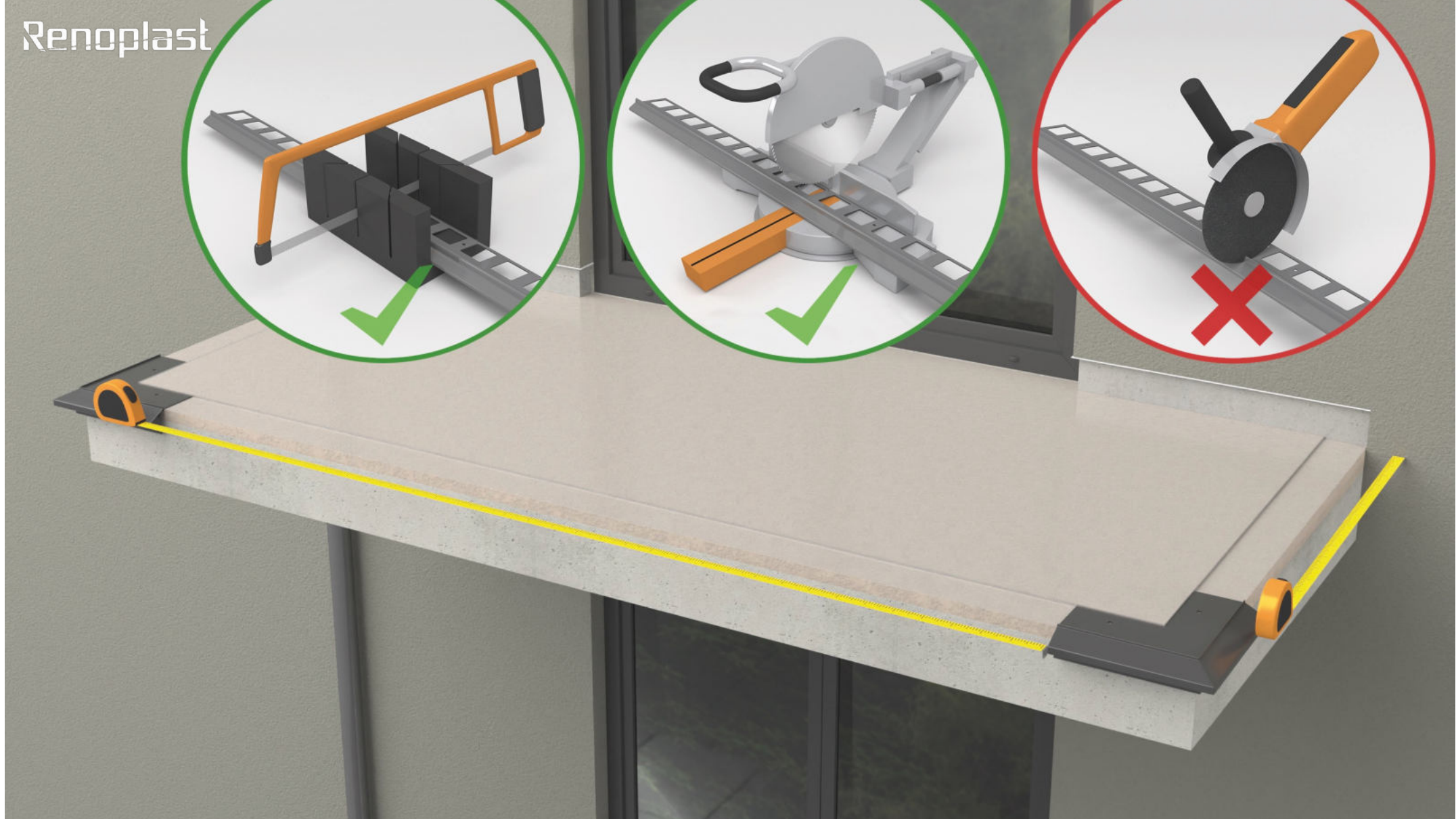
### **Priming the cement base**

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



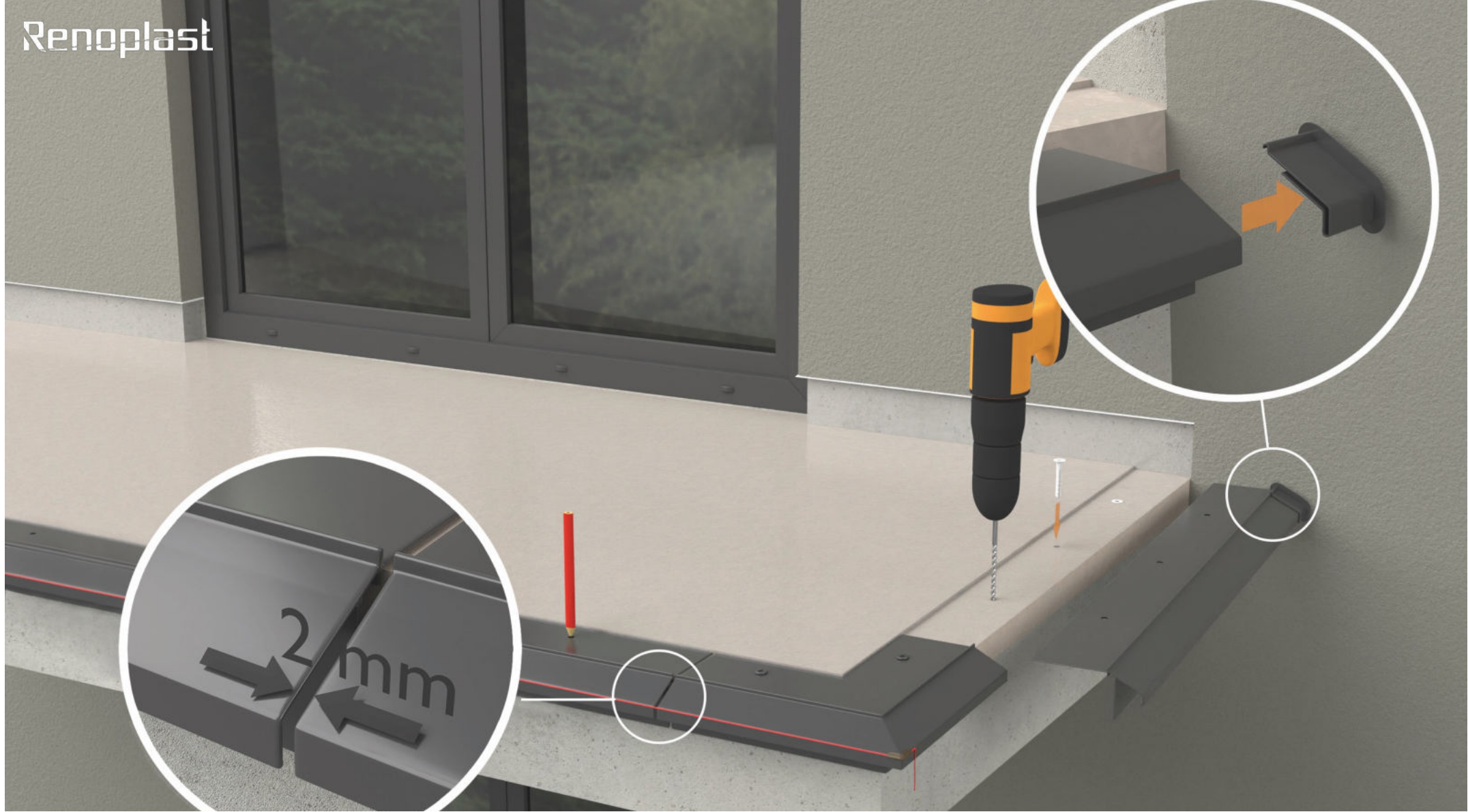
### **Pre-assembly of NZ K10R/90 corners**

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 K10R

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 **OPK10R** 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

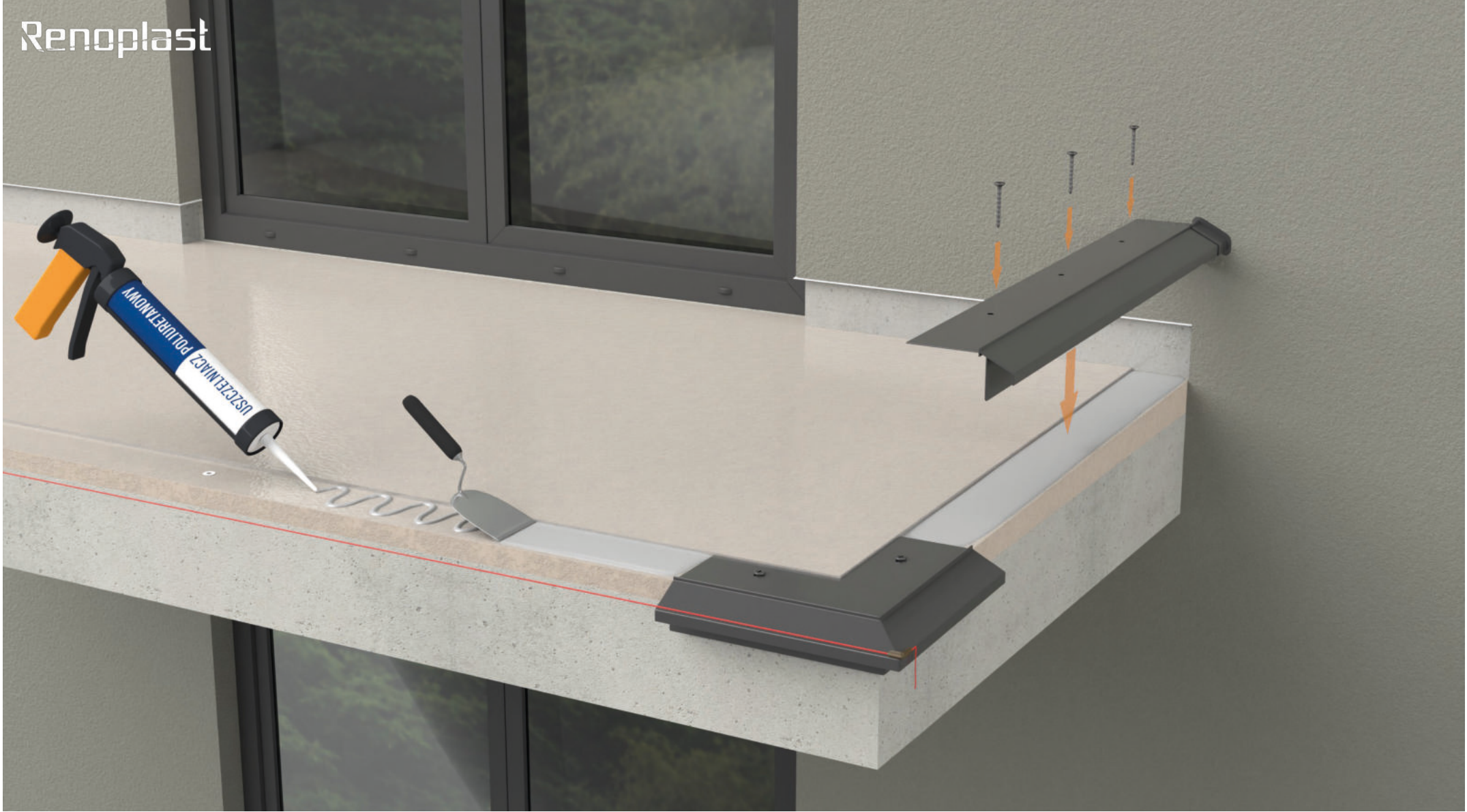
Between the corners **NZ K10R/90** we place straight **K10R** profiles, mark the places for mounting holes on the base. We remove the profiles, then drill the mounting holes.



### 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.





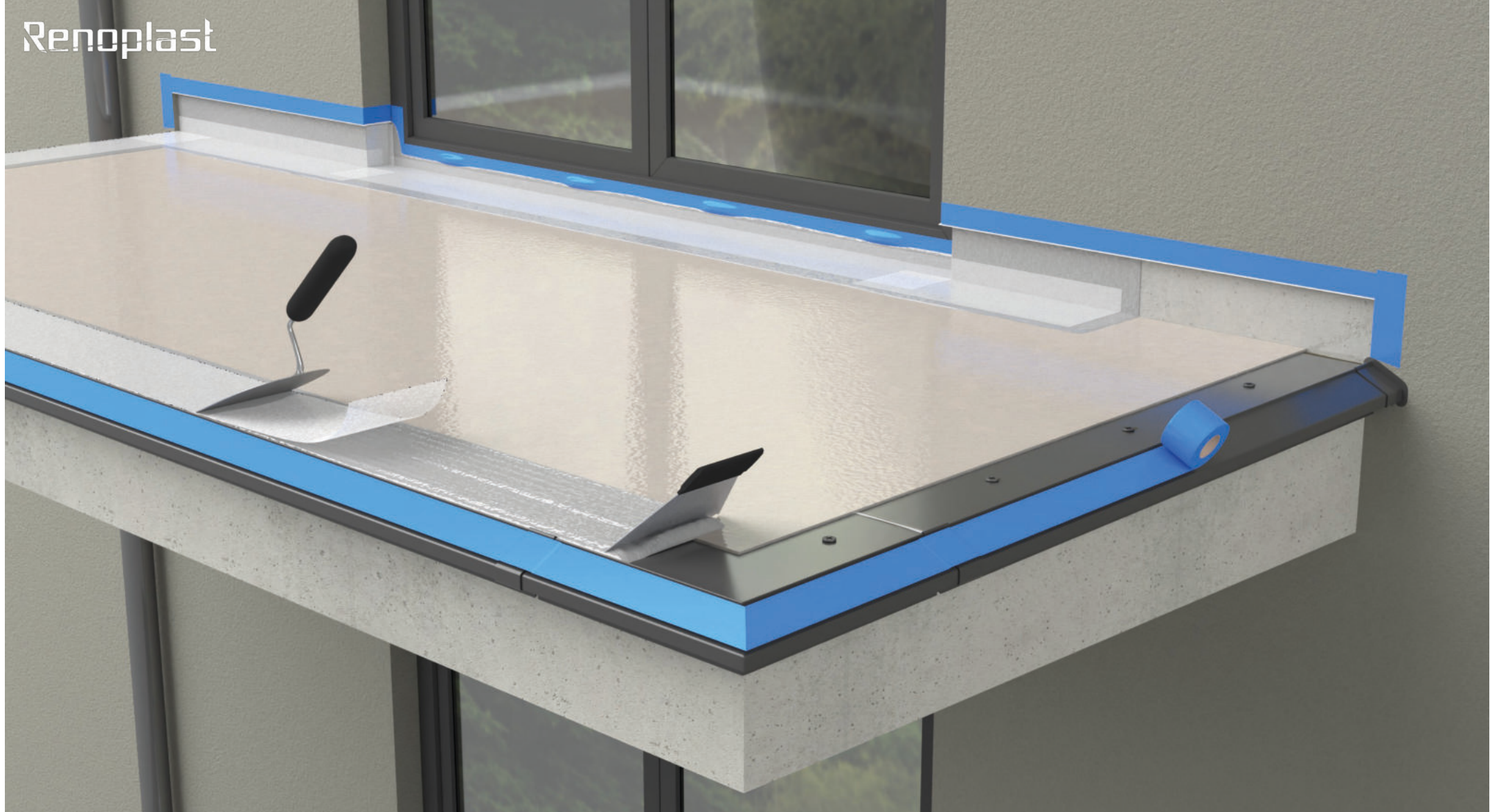
## Installation of straight K10R profiles

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.



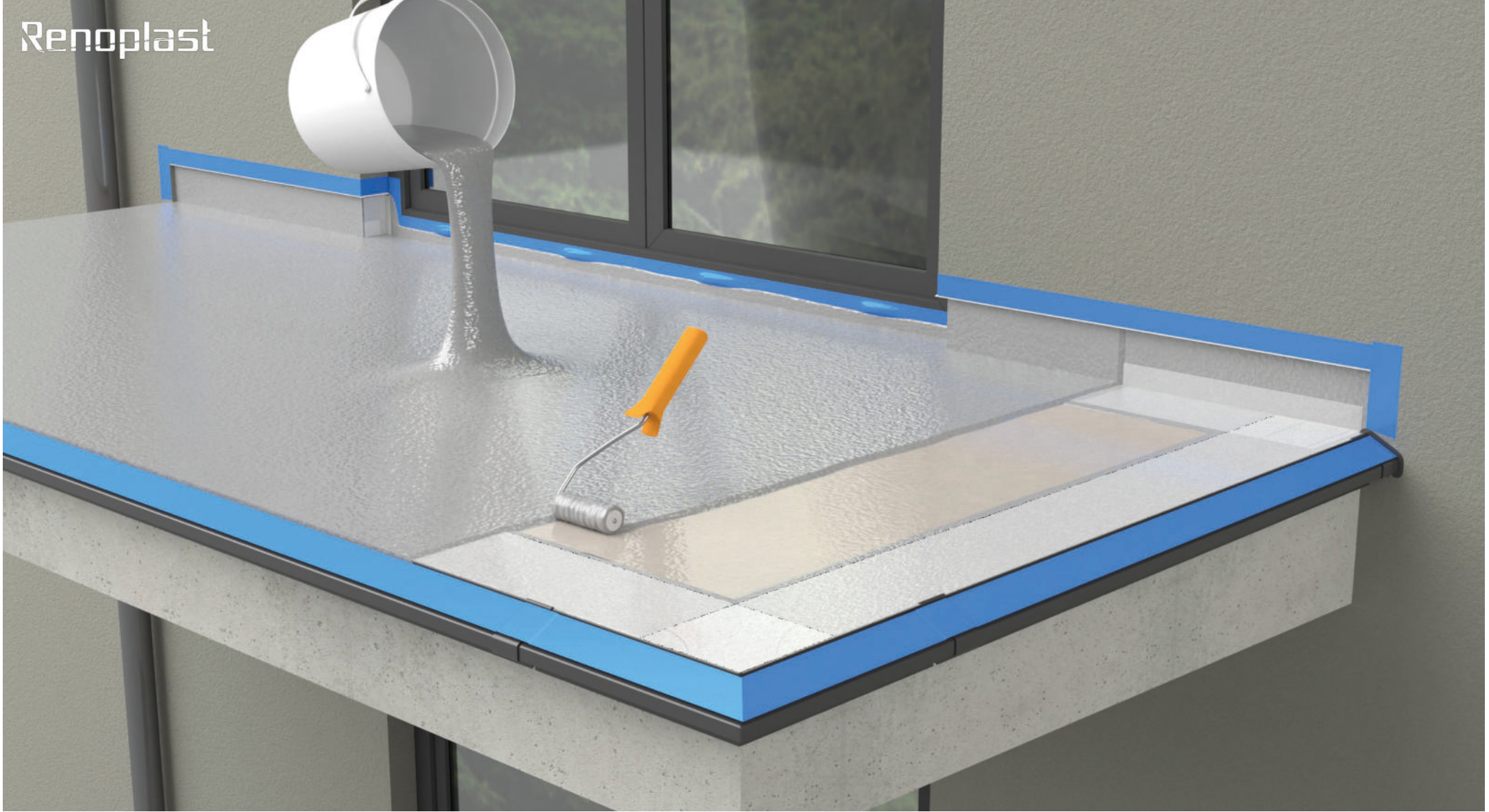
### Sealing of profile joints with the assembly of connectors

The gaps at the profile connections are filled with a permanently elastic mass (e.g. polyurethane), and from the outside we install connectors **LK10R**.



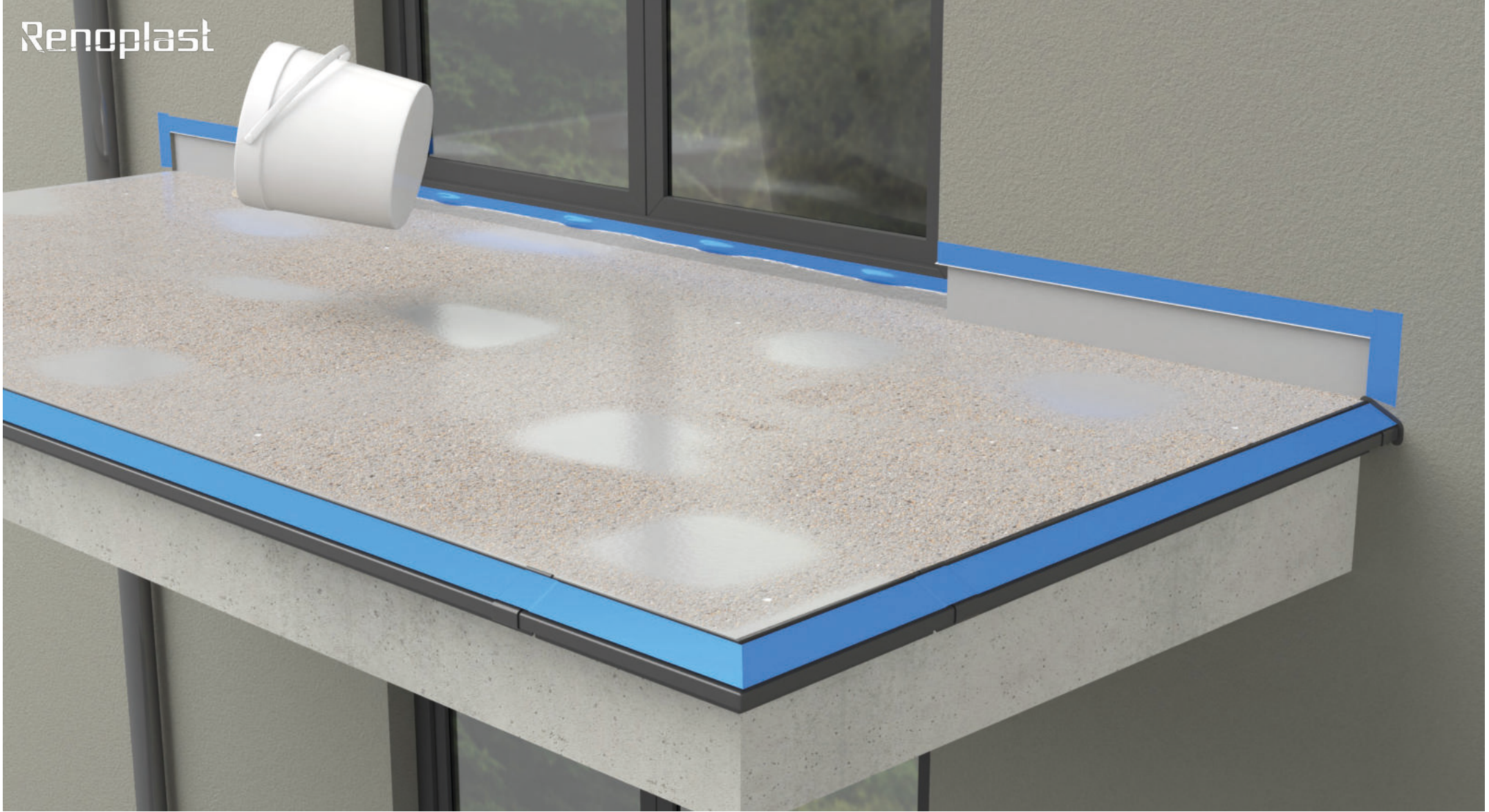
### **Execution of connection of profiles with the foundation**

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.



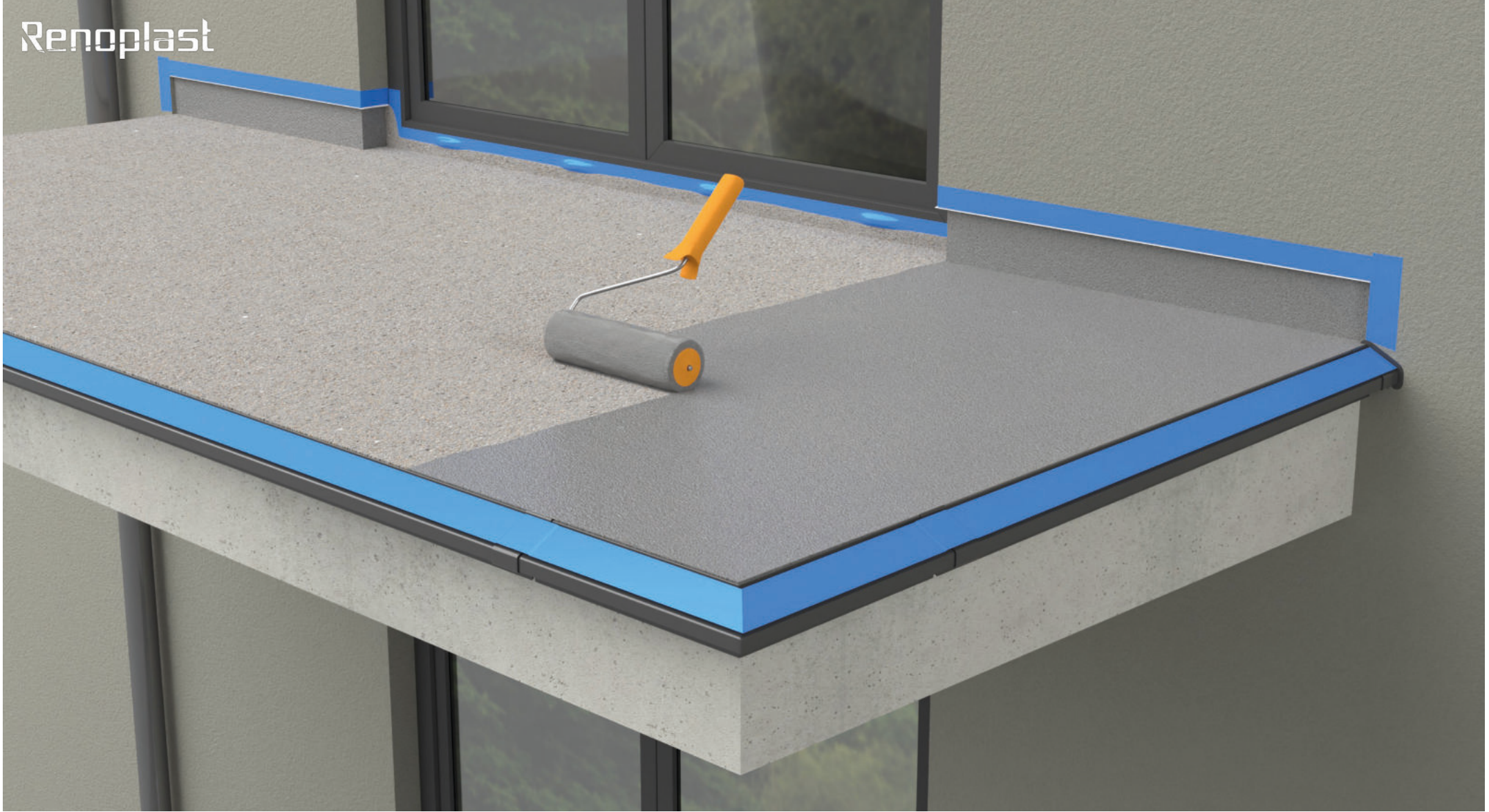
### **Making a waterproofing layer of resin**

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



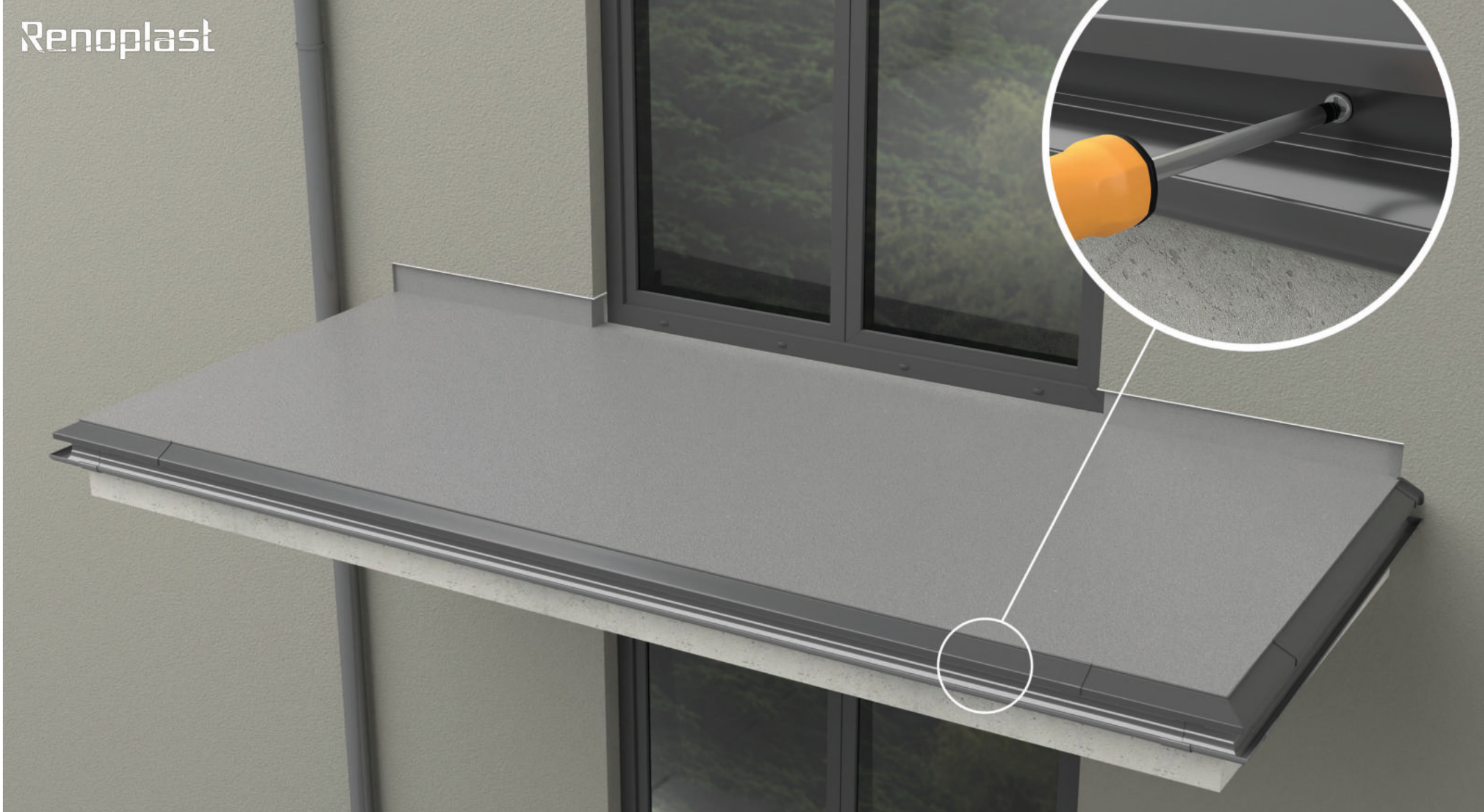
### **Anti-slip layer of quartz sand**

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.



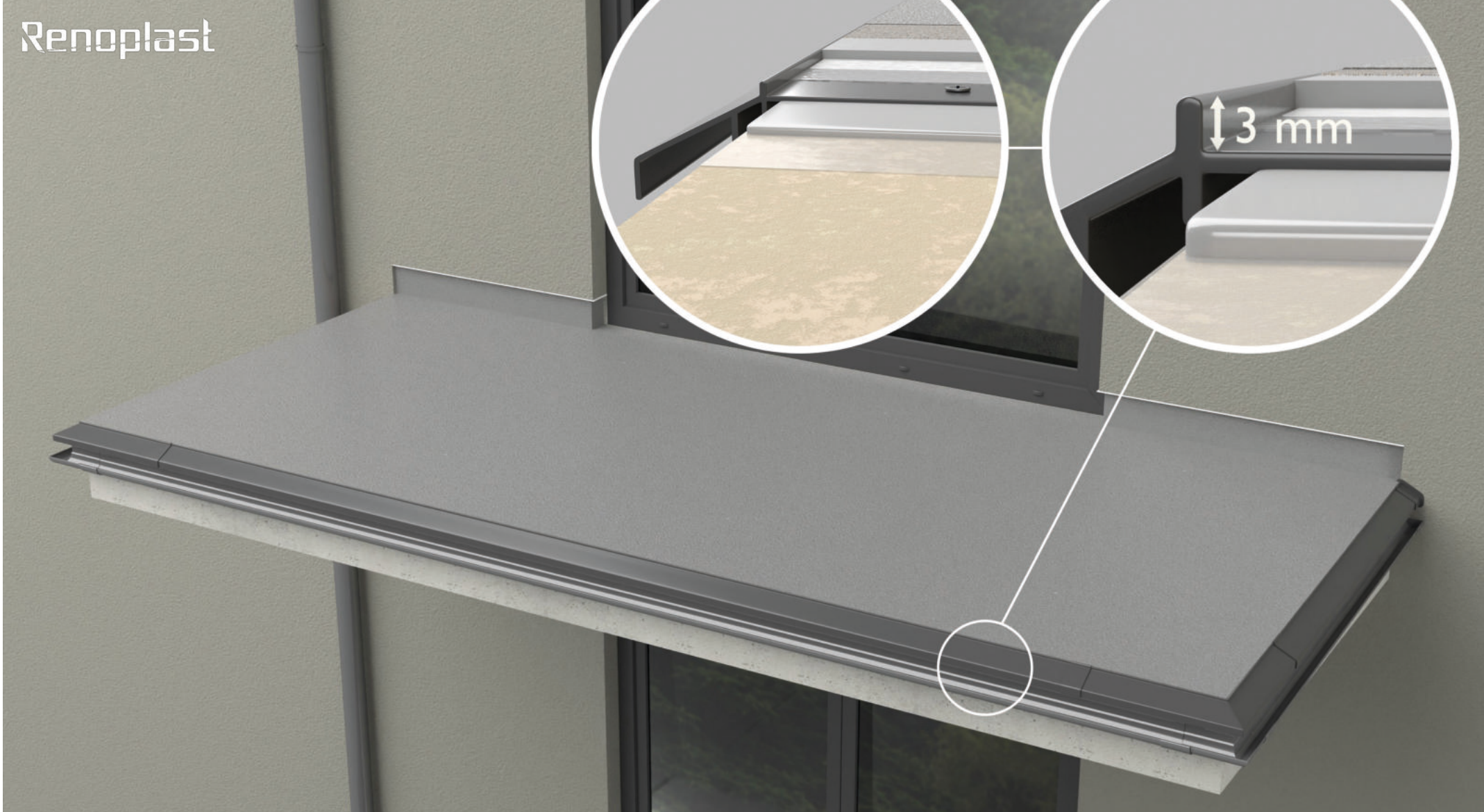
### **Surface finishing of the resin floor**

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).



## Installation of the R50 aluminium gutter system

The **K10R** profile enables the assembly of the **R50** aluminium gutter system. The **R50** gutter is fastened directly to the belt under the profile **K10R**, using self-drilling stainless steel screws (screws included with the gutter). We assemble at the connections **LR50** connector (see installation manual of the **R50** gutter system).



**COMMENTS:**

The front edge of the **K10R** 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.