

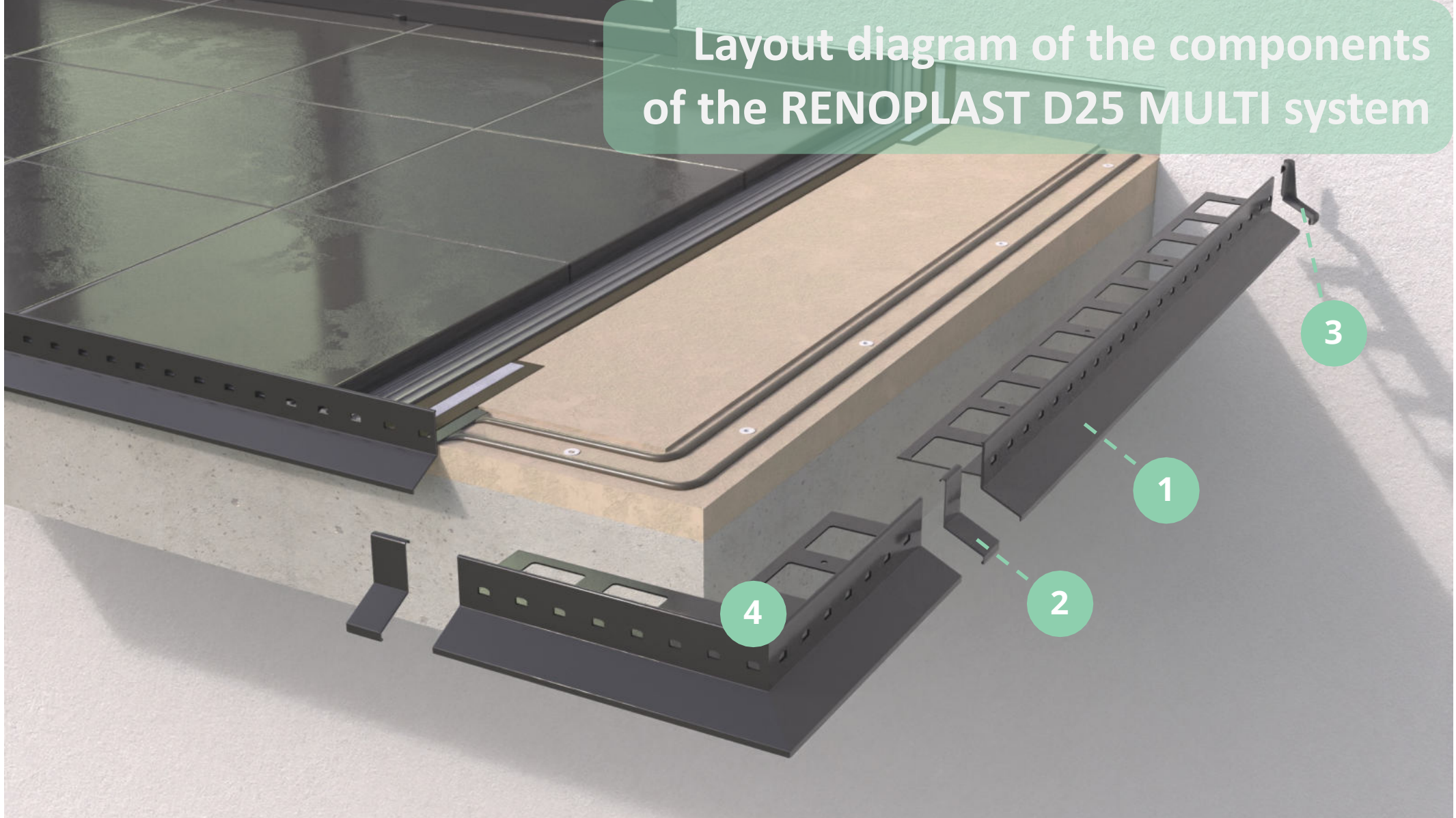
Brief instructions for constructing a balcony/terrace using the

## **RENOPLAST D25 MULTI**

System with thick-bed ceramic tile flooring  
to be installed on a mineral-based adhesive mortar



# Layout diagram of the components of the RENOPLAST D25 MULTI system



**Straight profile D25,  
200 cm long**



1

**Connector LD25**



2

**end stops OPD25  
(left/right)**

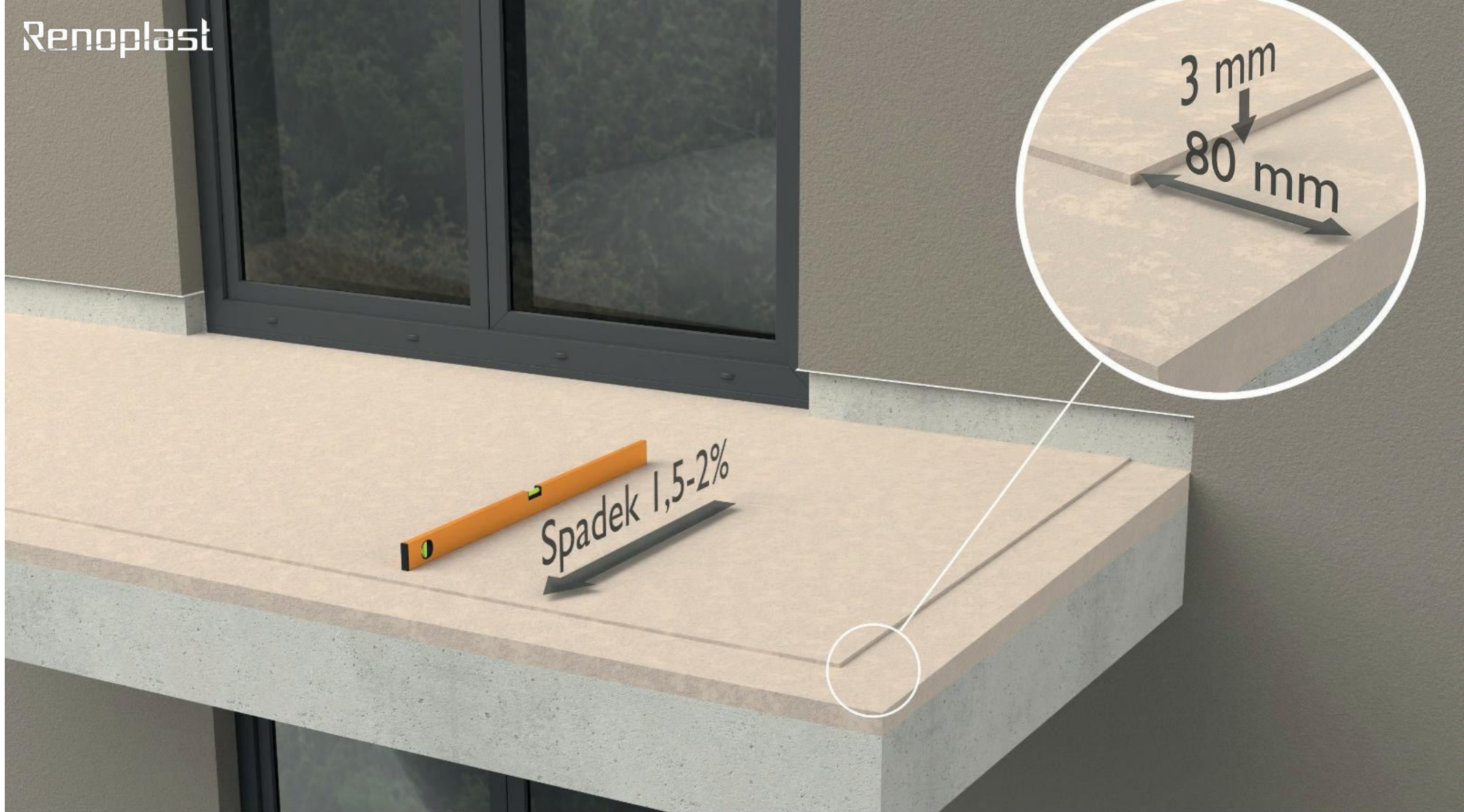


3

**Outside corner 90°  
NZ D25/90**



4



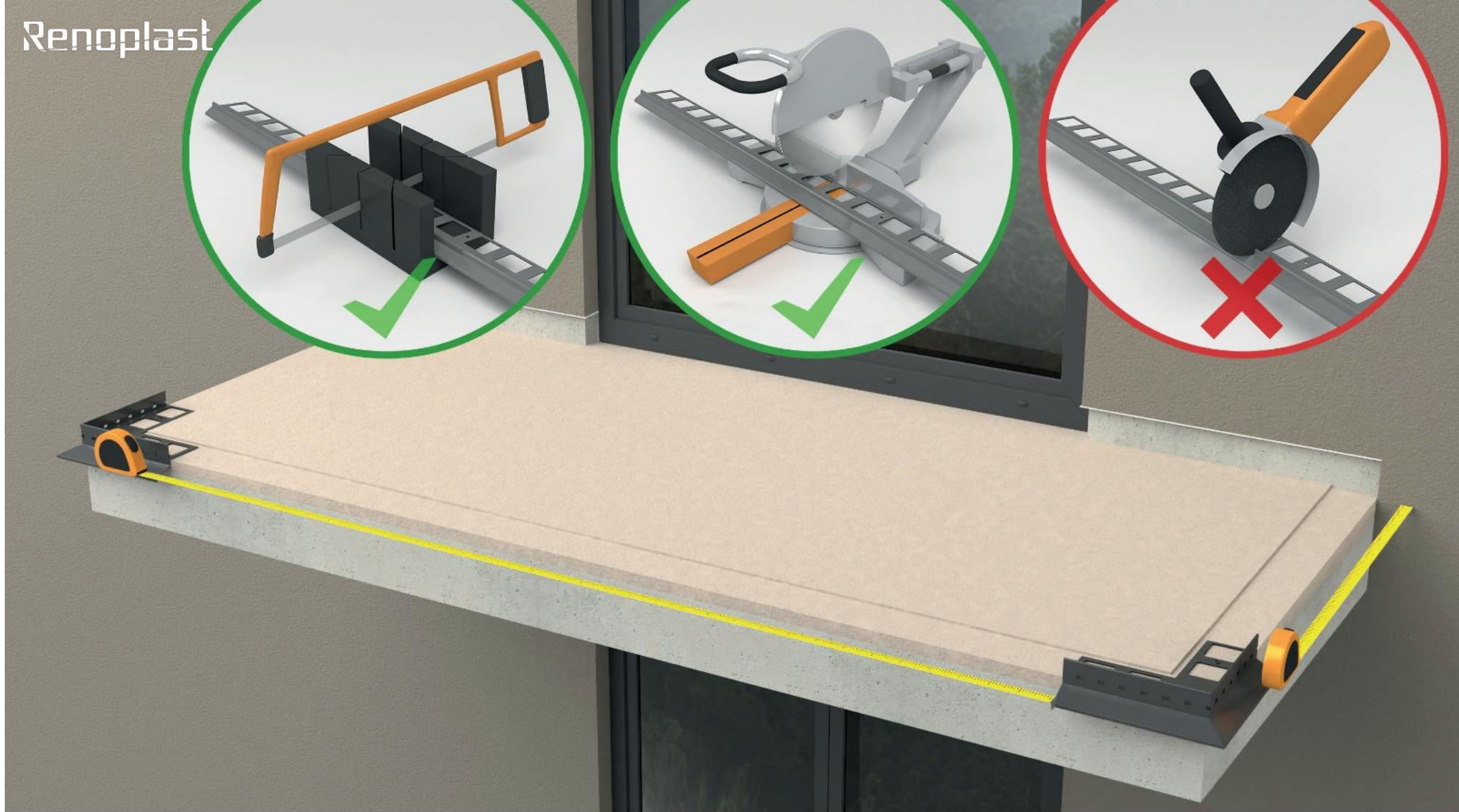
### Balcony/terrace floor bases

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 underlay on the width of the installed profile of 80 mm, lower the underlay to a depth of about 3 mm so that the installed profile was flush with the plane of the base.



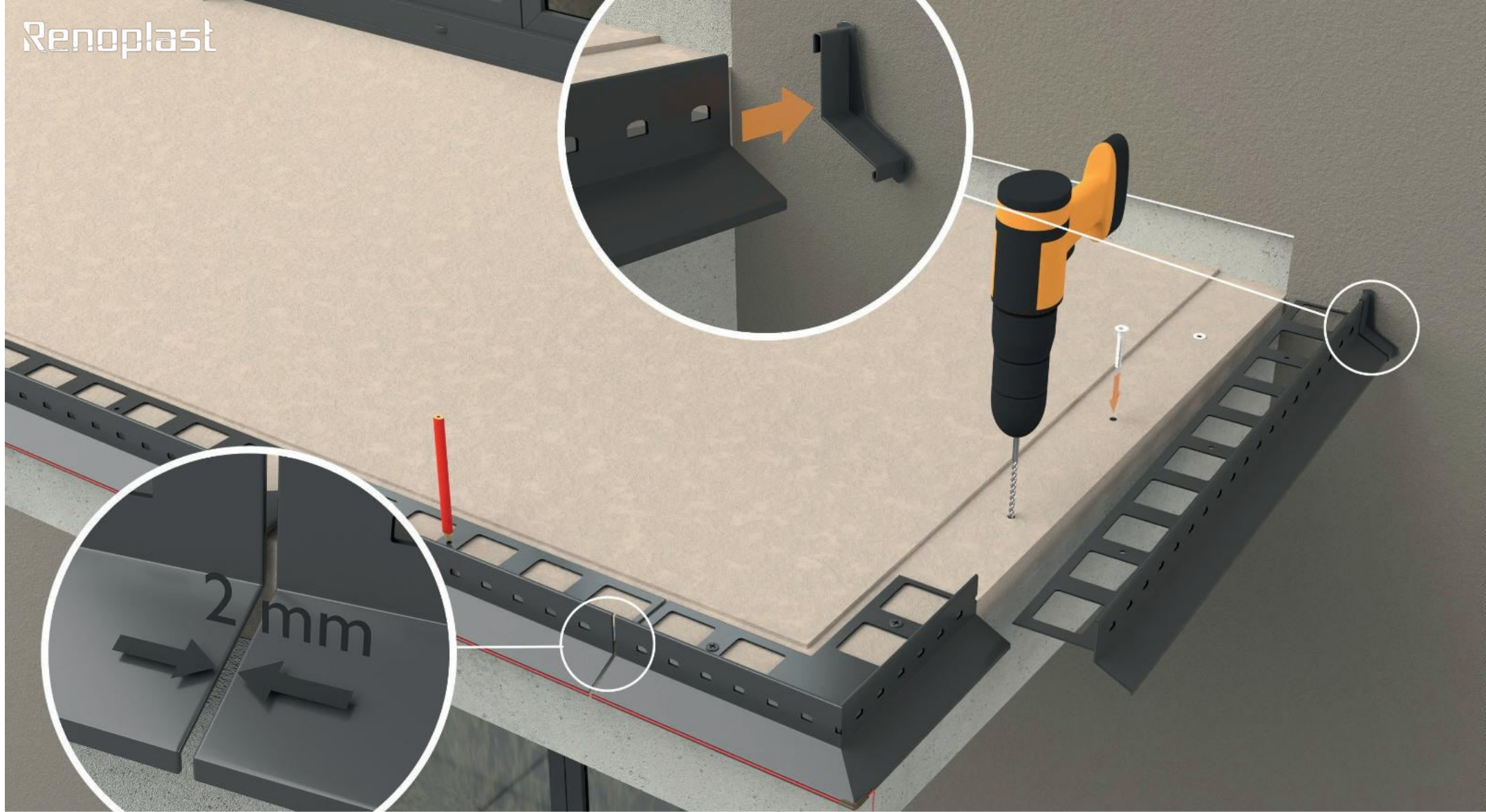
### **Pre-assembly of NZ D25/90 corners**

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



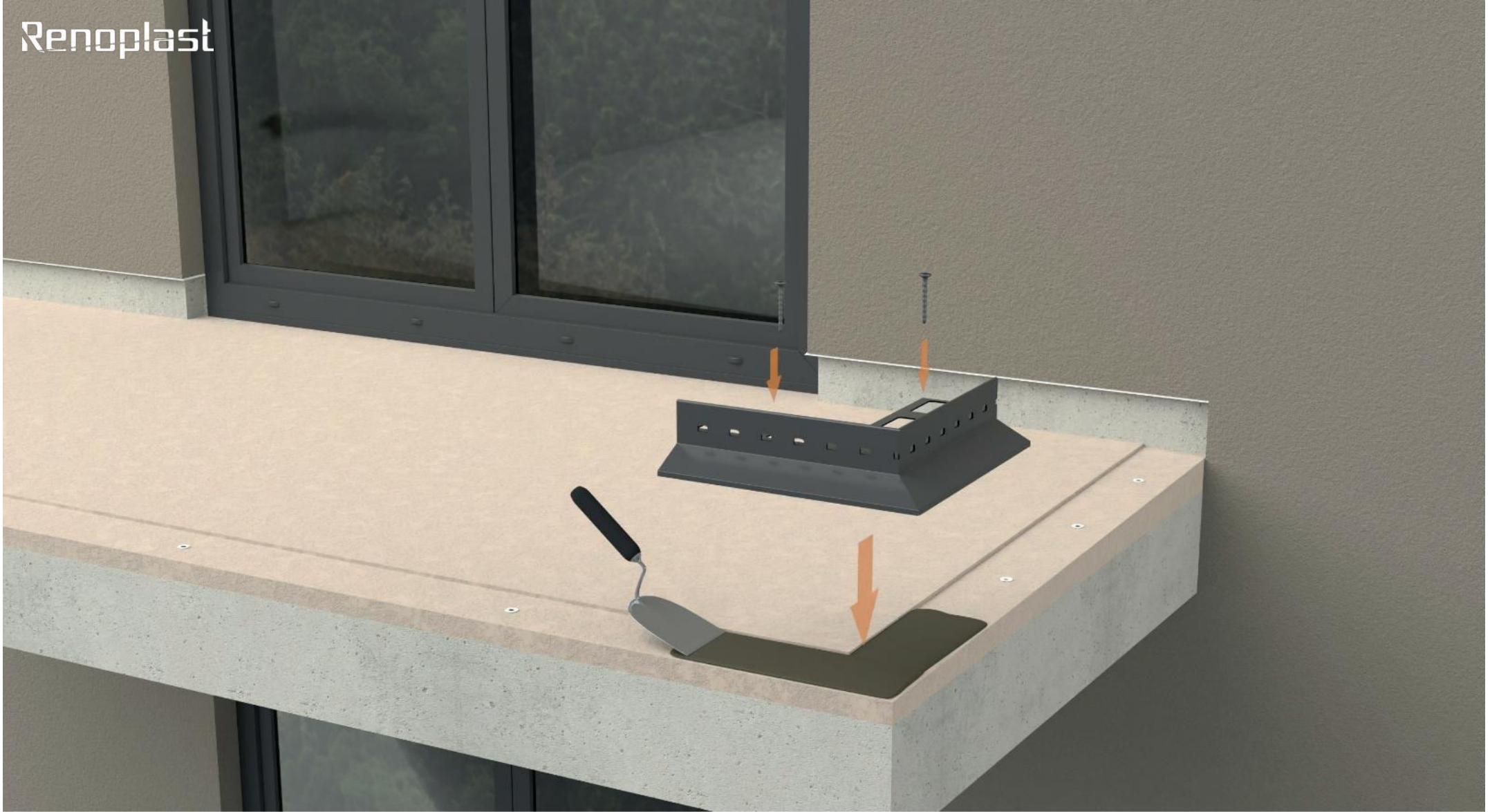
### Preparation of straight profiles D25

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 **OPD25** 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 not acceptable.



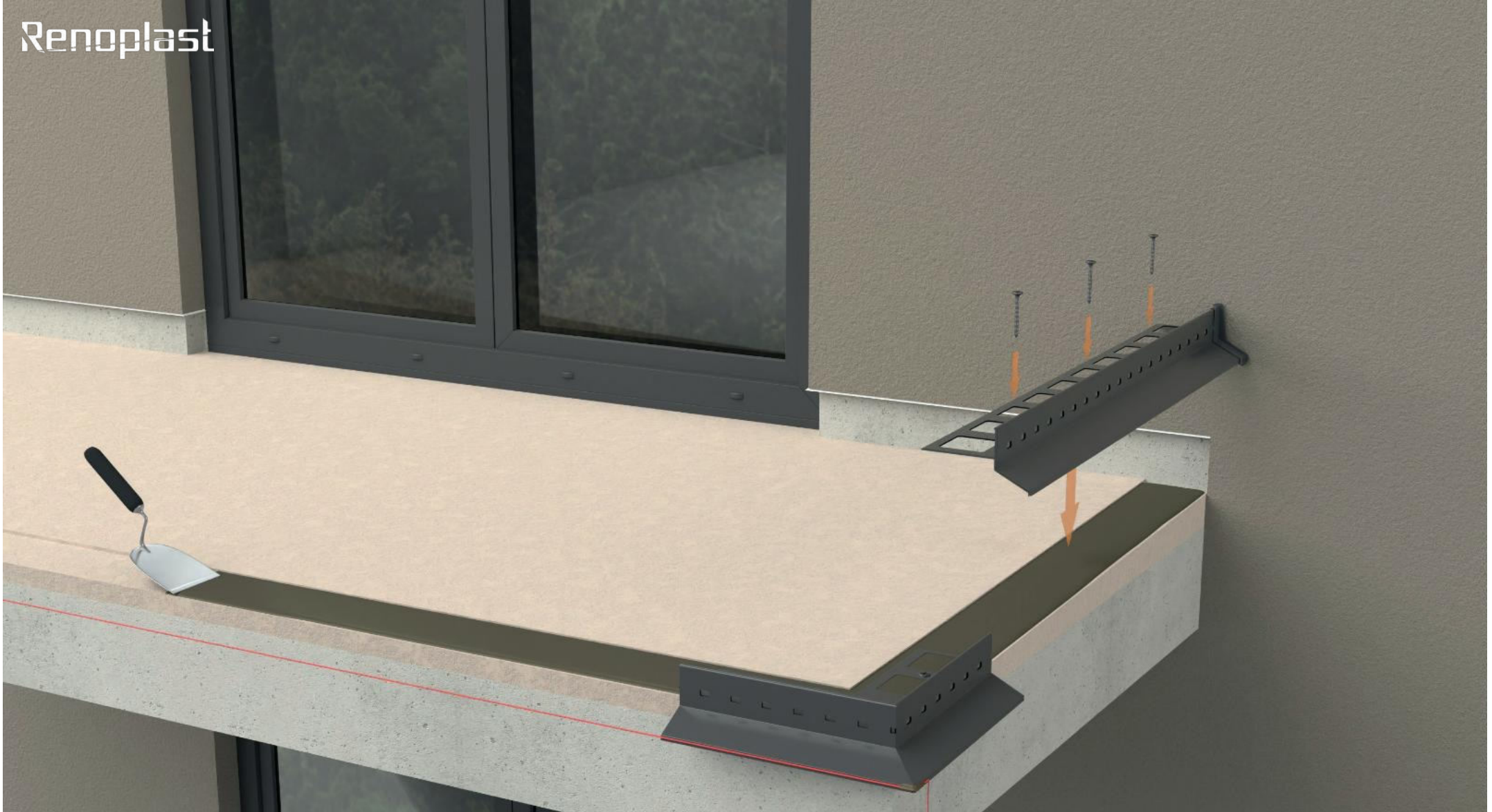
### Making the installation holes in the subfloor

Place the **D25** straight profiles between the **NZ D25/90** corners and mark the locations for the installation holes on the subfloor. Remove the profiles, then drill the fixing holes.



### Installation of NZ D25/90 corners

The corners are placed on a flexible mass (e.g. polyurethane), and then mechanically fastened with the help of pre-installed expansion bolts.



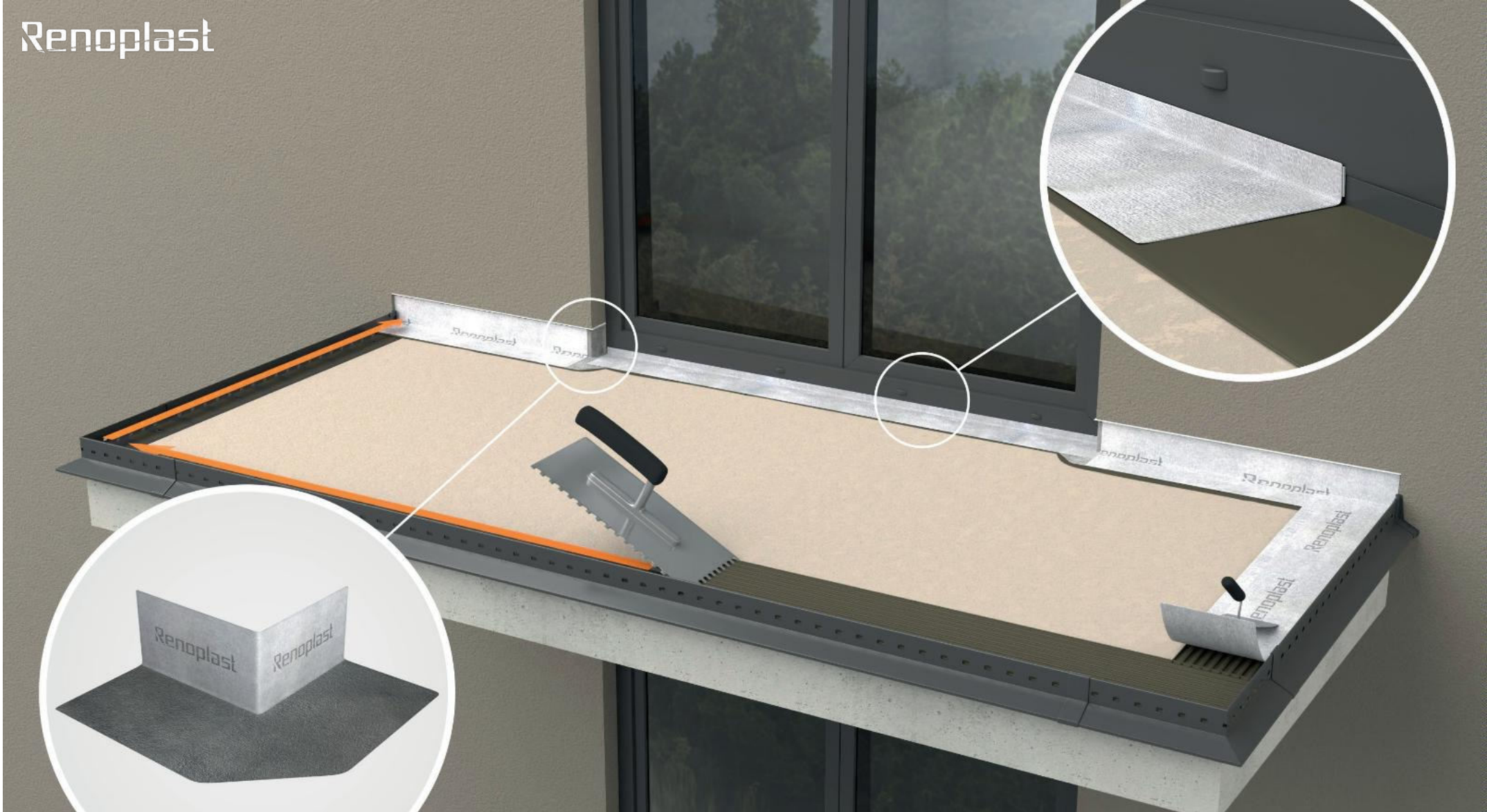
### Installation of straight D25 profiles

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.



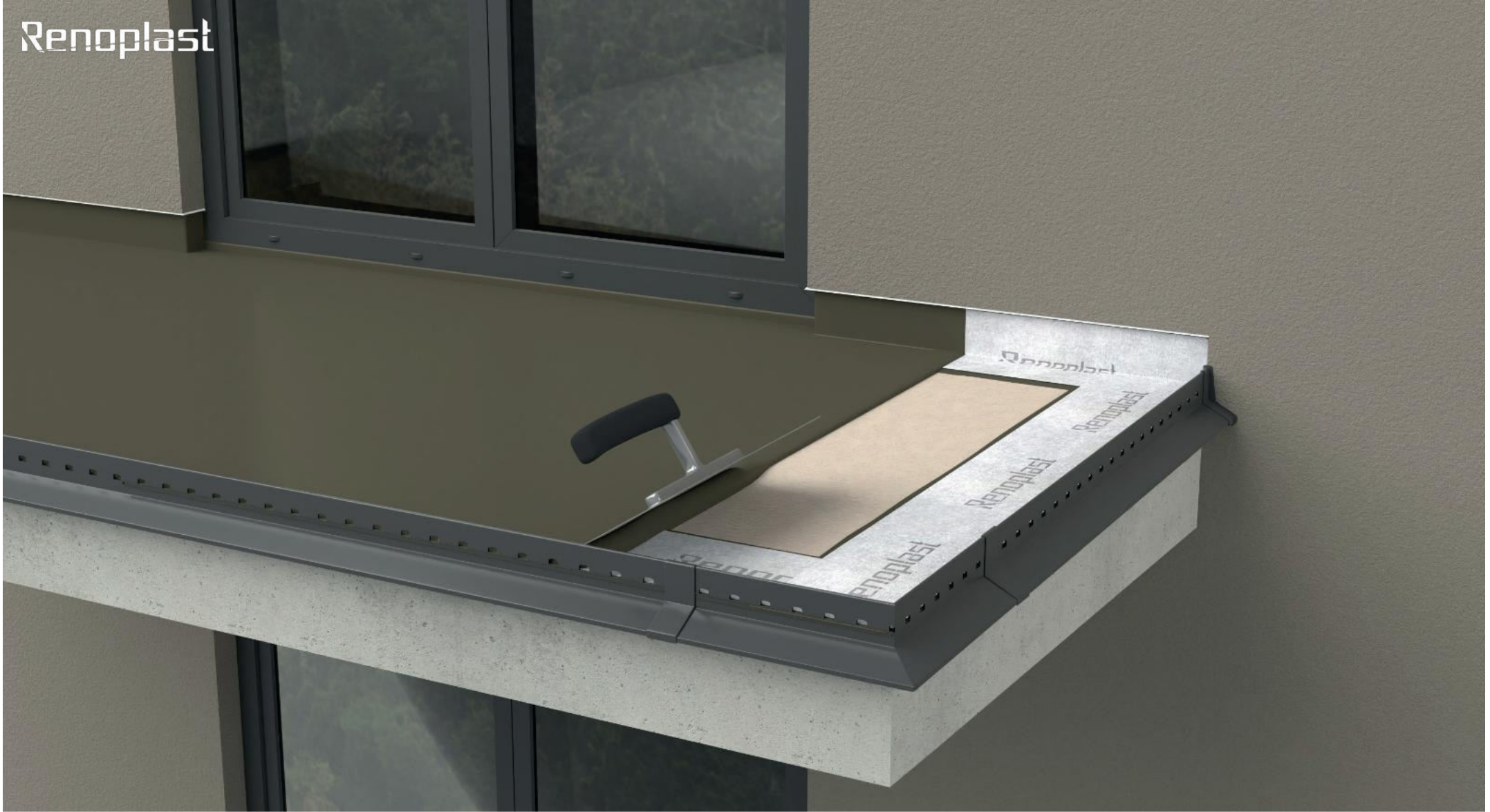
### Sealing joints with the LD25 connector installation

The expansion gaps at the joints are filled with a permanently elastic sealing compound (e.g. polyurethane). Then install the connectors.



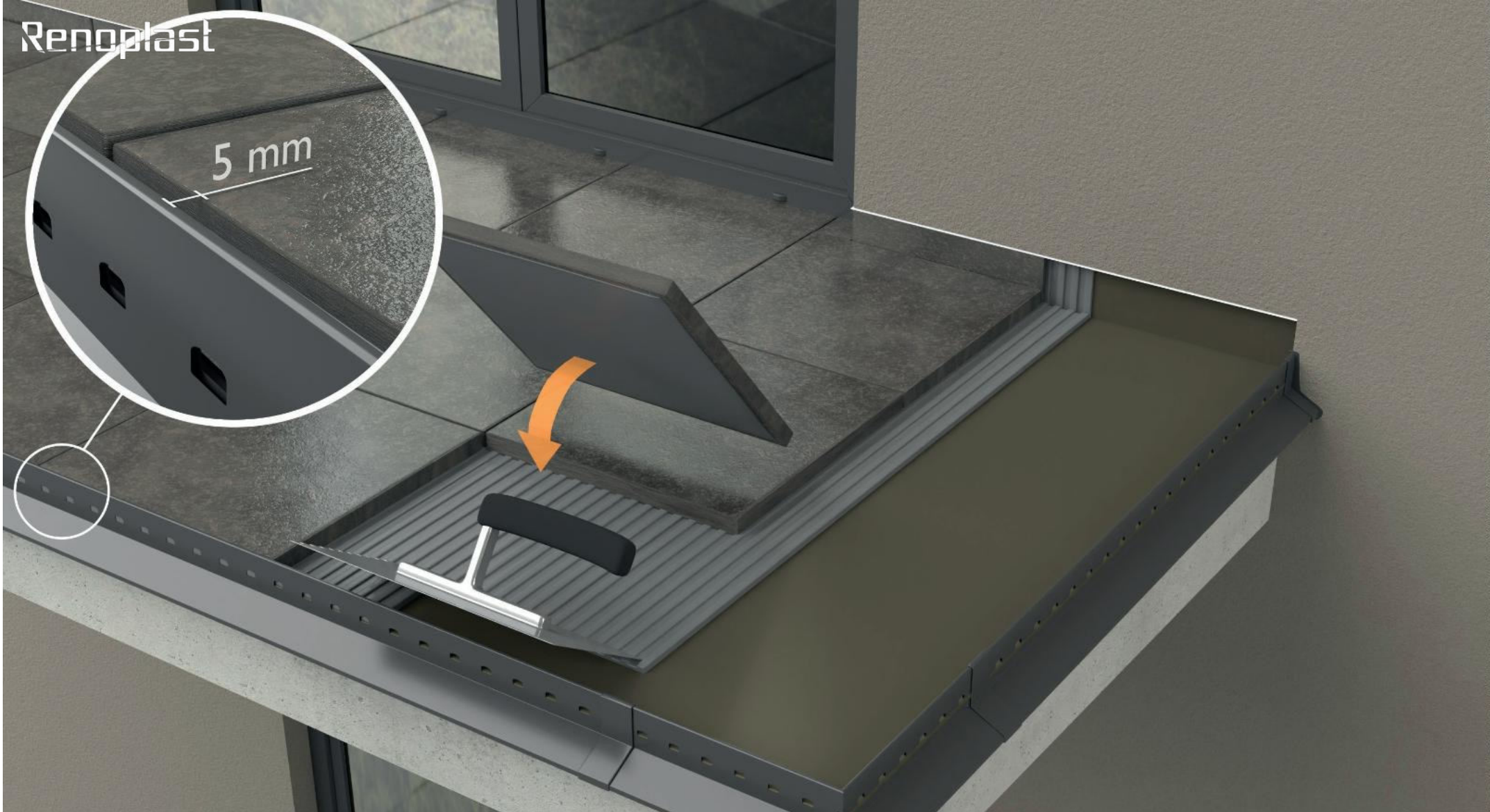
## Joining the underlay to the profiles and to the door threshold

The profiles are bonded to the cementitious subfloor with **Renoplast PL3 sealing tape**. The connection to the door threshold is made using **Renoplast PL3 threshold tape with butyl strip**.



### Laying the waterproofing layer with sealing mortar

The waterproofing on the cement base is made of a sealing mortar according to the recommendations of the mortar manufacturer's technical data sheet.



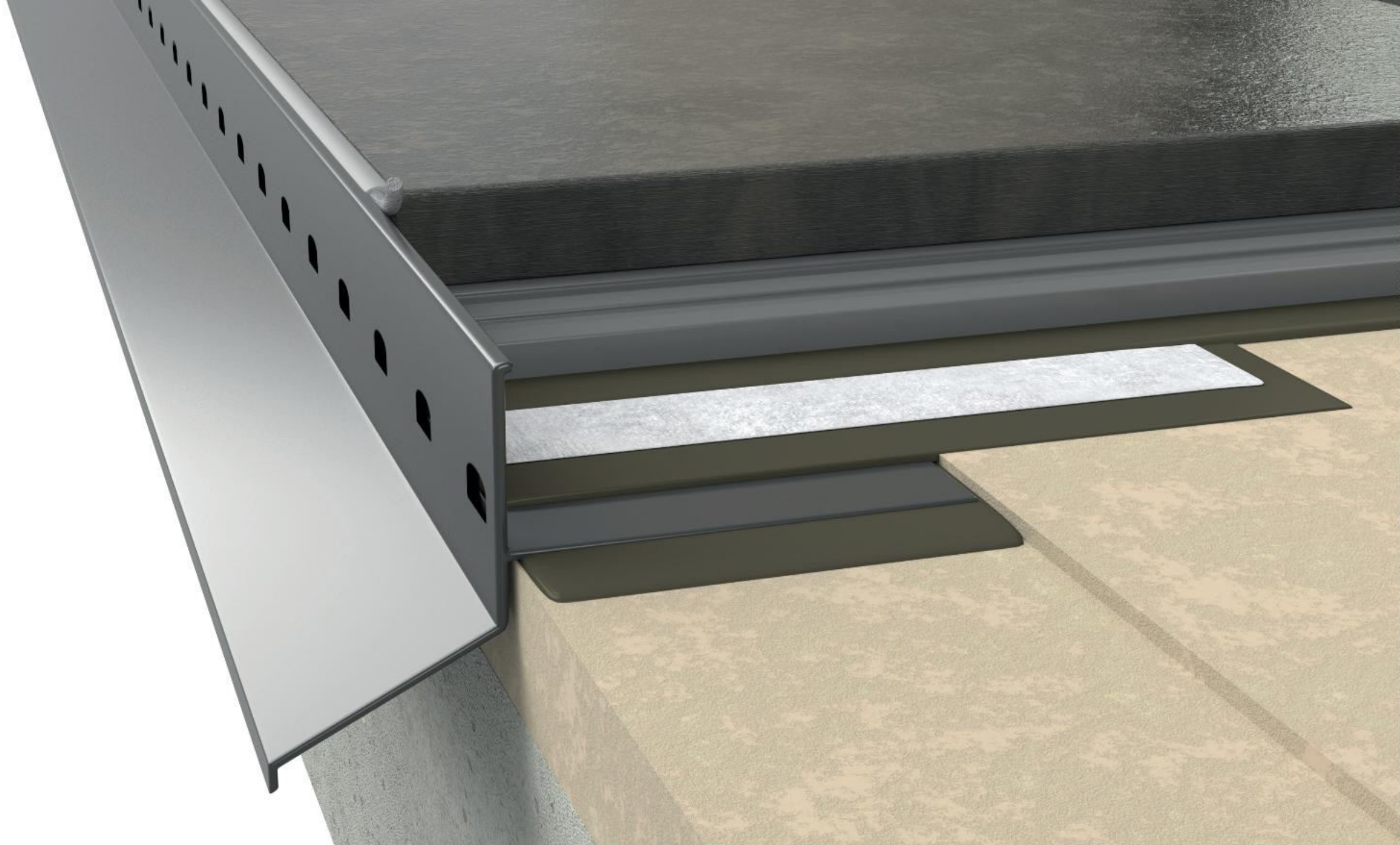
## Laying floor tiles

Lay ceramic tiles on the bound sealing mortar. Ceramic tiles are laid on the adhesive mortar, suitable for outdoor applications (recommended class C2-S1 C2-S2). When laying the tiles, leave them along the profile a gap of about 5 mm.



### Execution of a flexible connection along the eaves profile D25 and other connections

In the gap created along the eaves profile and in the gaps between the door threshold and the floor, between the plinth and the floor and along the floor expansion joints, lay an expansion cord with a diameter of  $\phi 6$  mm. Then the fissures we fill with permanently elastic mass (e.g. polyurethane).



## COMMENTS:

The front edge of the **D25** profile is 25 mm high, which corresponds to the thickness of the floor made of thick-layer boards laid on the adhesive mortar. Drainage holes on the front edge are placed at the lowest point, thanks to this they effectively drain water from the underfloor layers.