

V LED STAIR EDGING

installation guide for stairs leading to balconies,
patios or terraces with pebblestone flooring



Placement of V LED system components



**V LED stair edging,
200 cm length**



1

**V LED aluminium
slide-in connector**



2

**V LED R+L
End caps**



3

**V LED 90
External corner**



4

**LED
Diffuser cover**

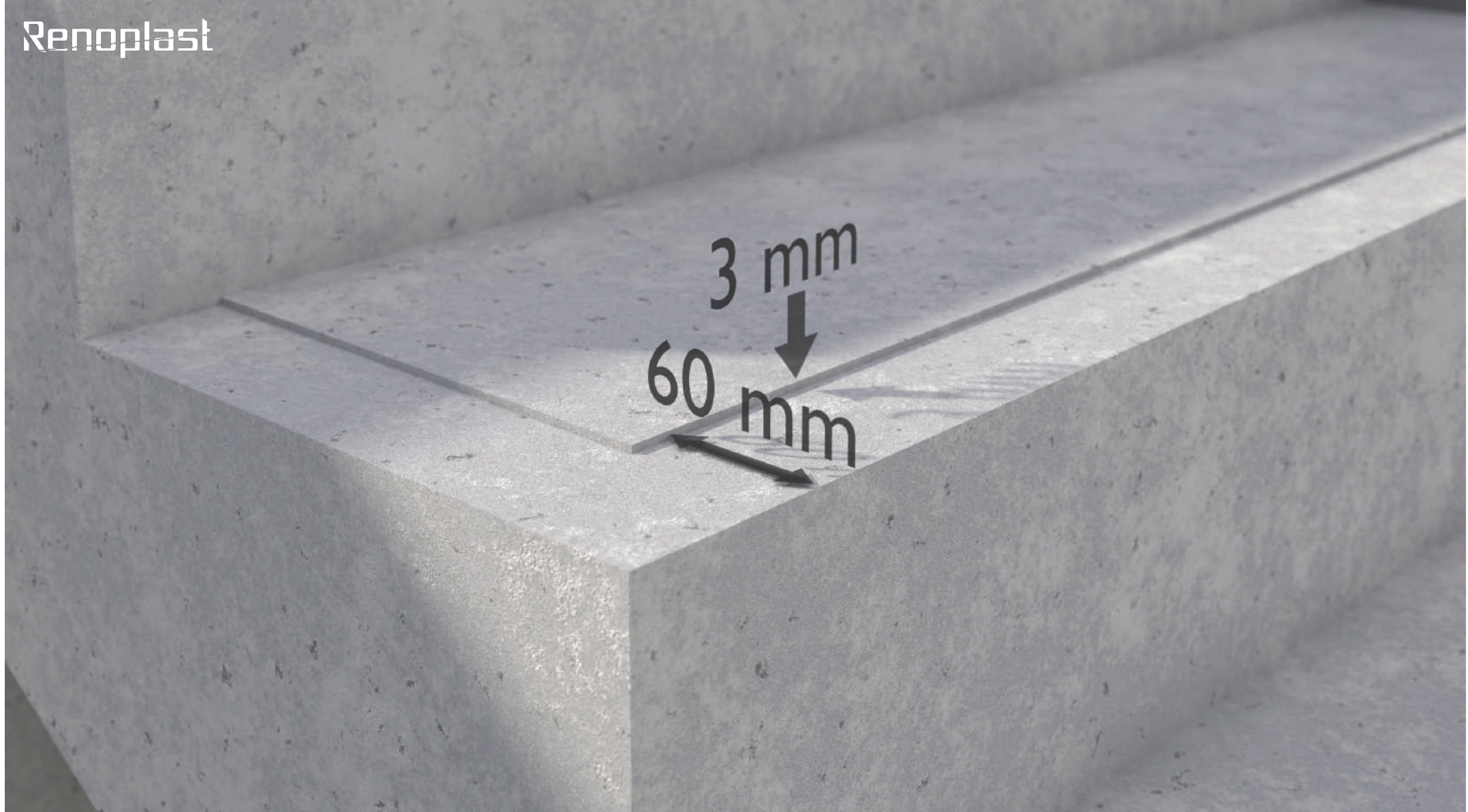


5



Smoothing the wall for membrane upstand installation

The substrate under the waterproof membrane upstand should be sound and smooth. Substrate preparation height should reach 15 cm above the finished floor level.



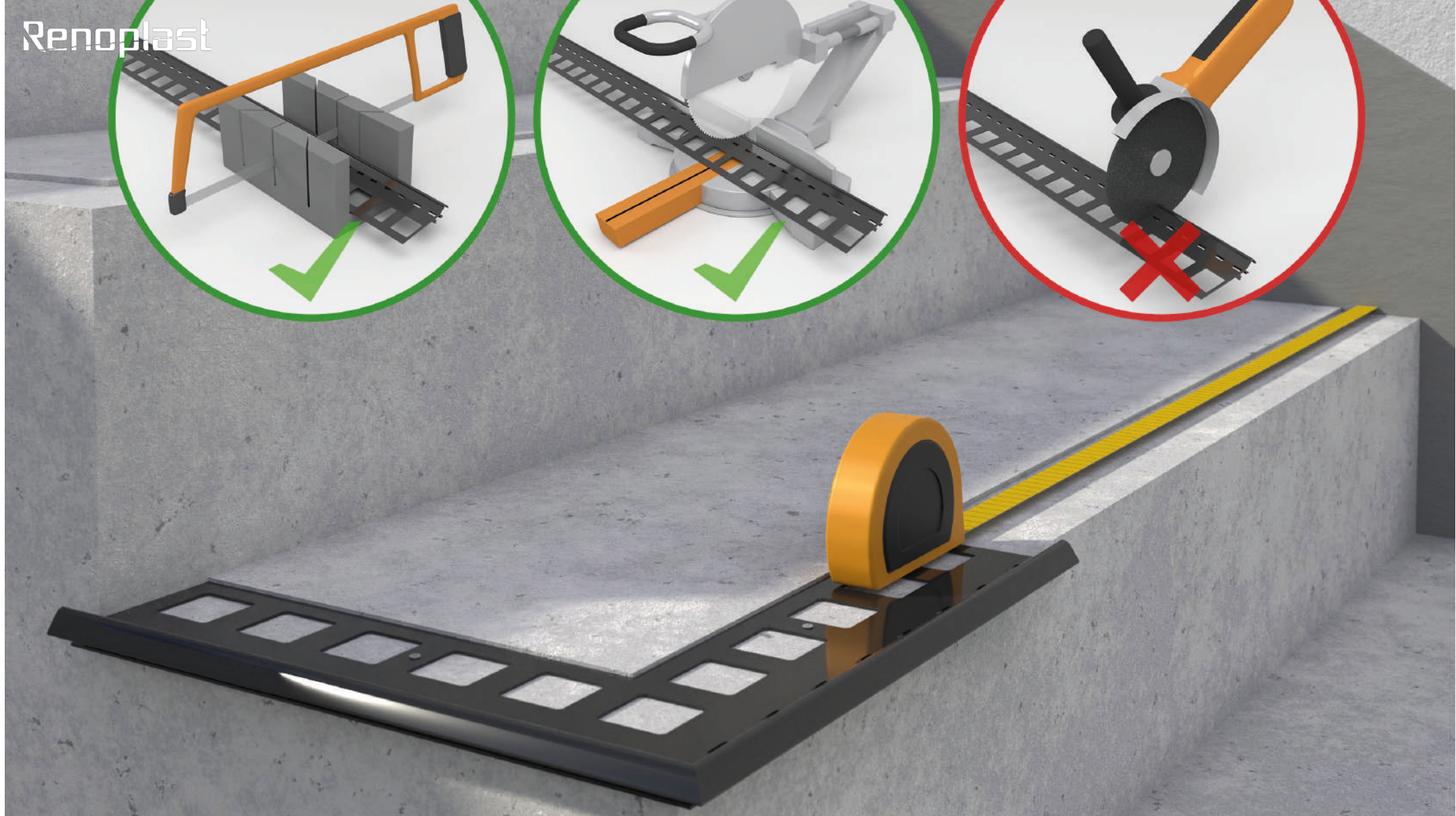
Screed layer under stair treads

The screed layer should be structurally sound and even, sloping ca. 1.5% towards the front edge. Along the screed edge a 3 mm deep by 60 mm wide recess should be made to allow setting the trim flush with the screed top surface.



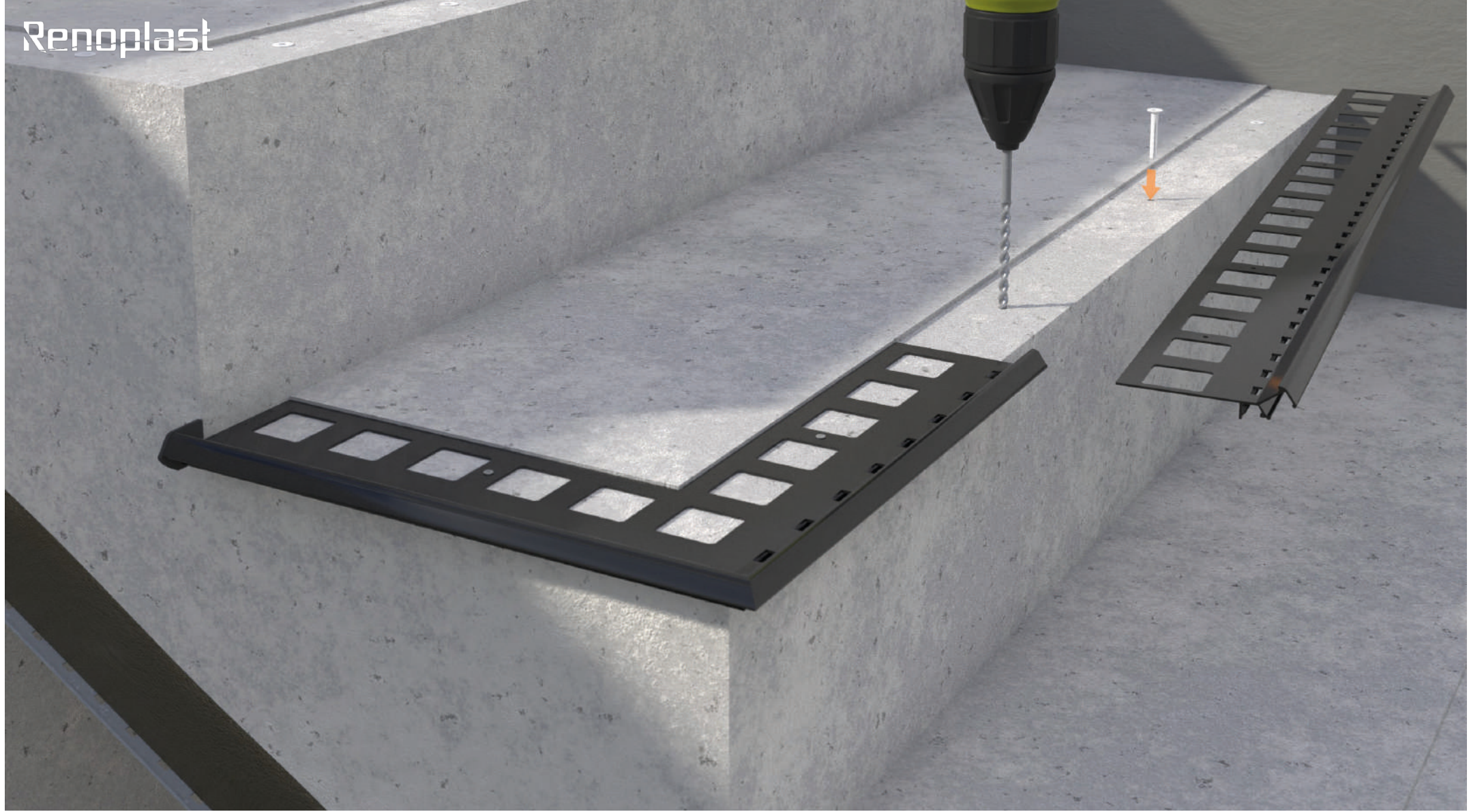
Installation of SZ10 edgings on stair stringers

SZ10 edgings should be fixed along the stair stringer edges. Before fixing cut the trims to appropriate meeting angles.



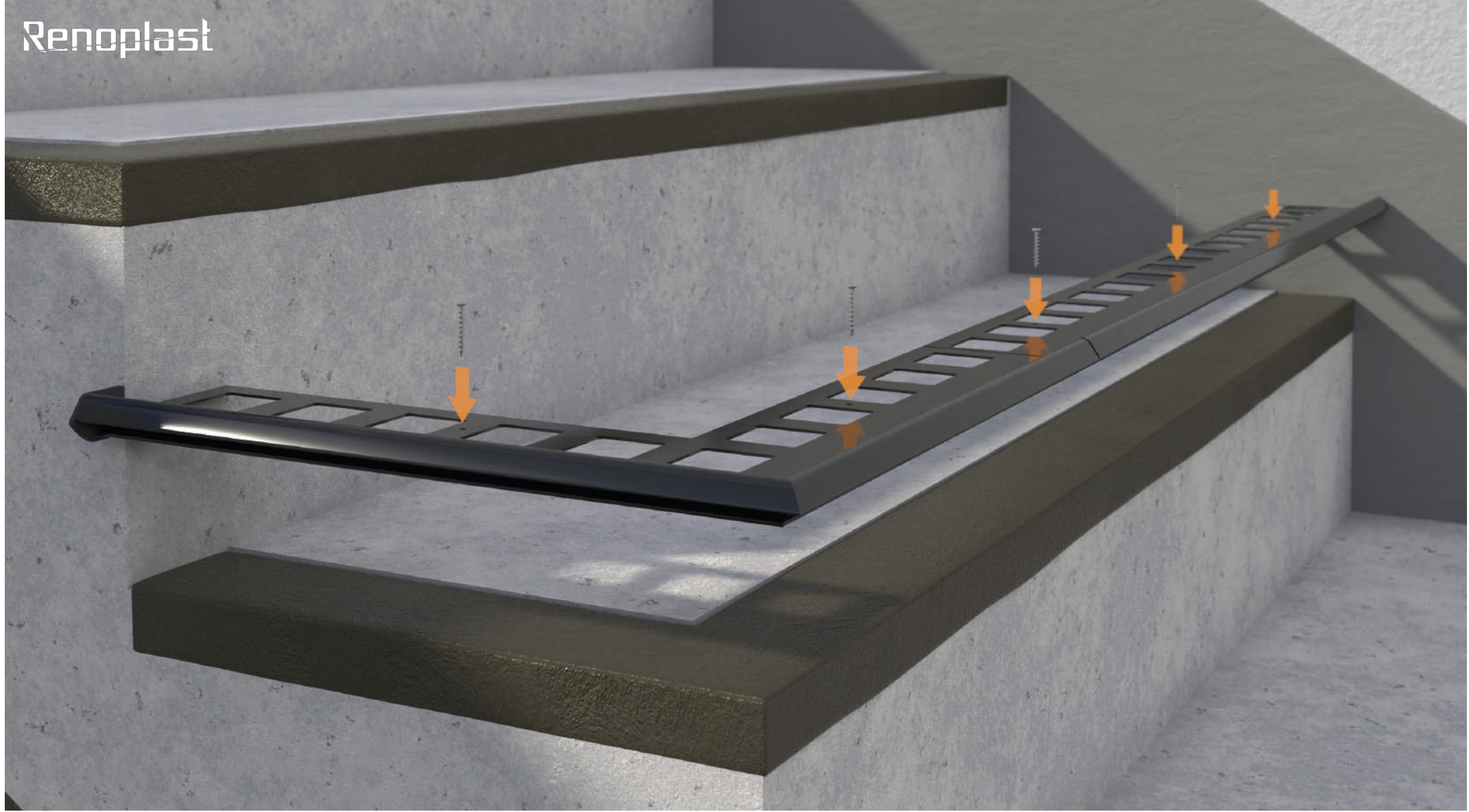
Preparation of V LED stair edging

Start the installation by pre-fitting the external corners using the supplied plastic plugs. Measure straight lengths to cut the step edges to the required lengths. Allow for ca. 2 mm wide expansion joints between adjacent lengths. 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.



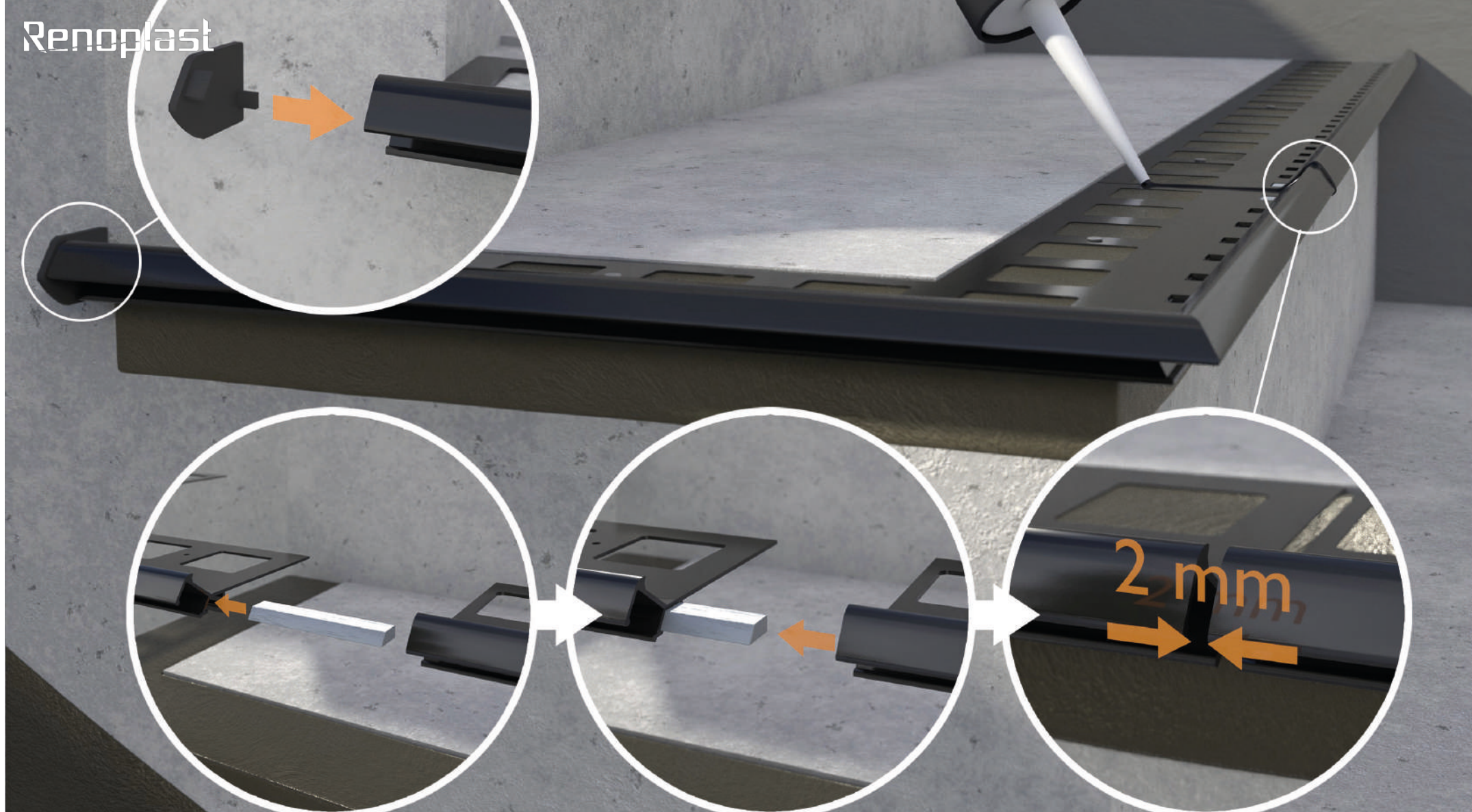
Making fixing holes in the screed

Fit **V LED stair edging** between the already installed **V LED 90 external corners** and mark fixing holes positions on the screed surface. Remove the edges to drill the fixing holes. After drilling carefully remove all debris.



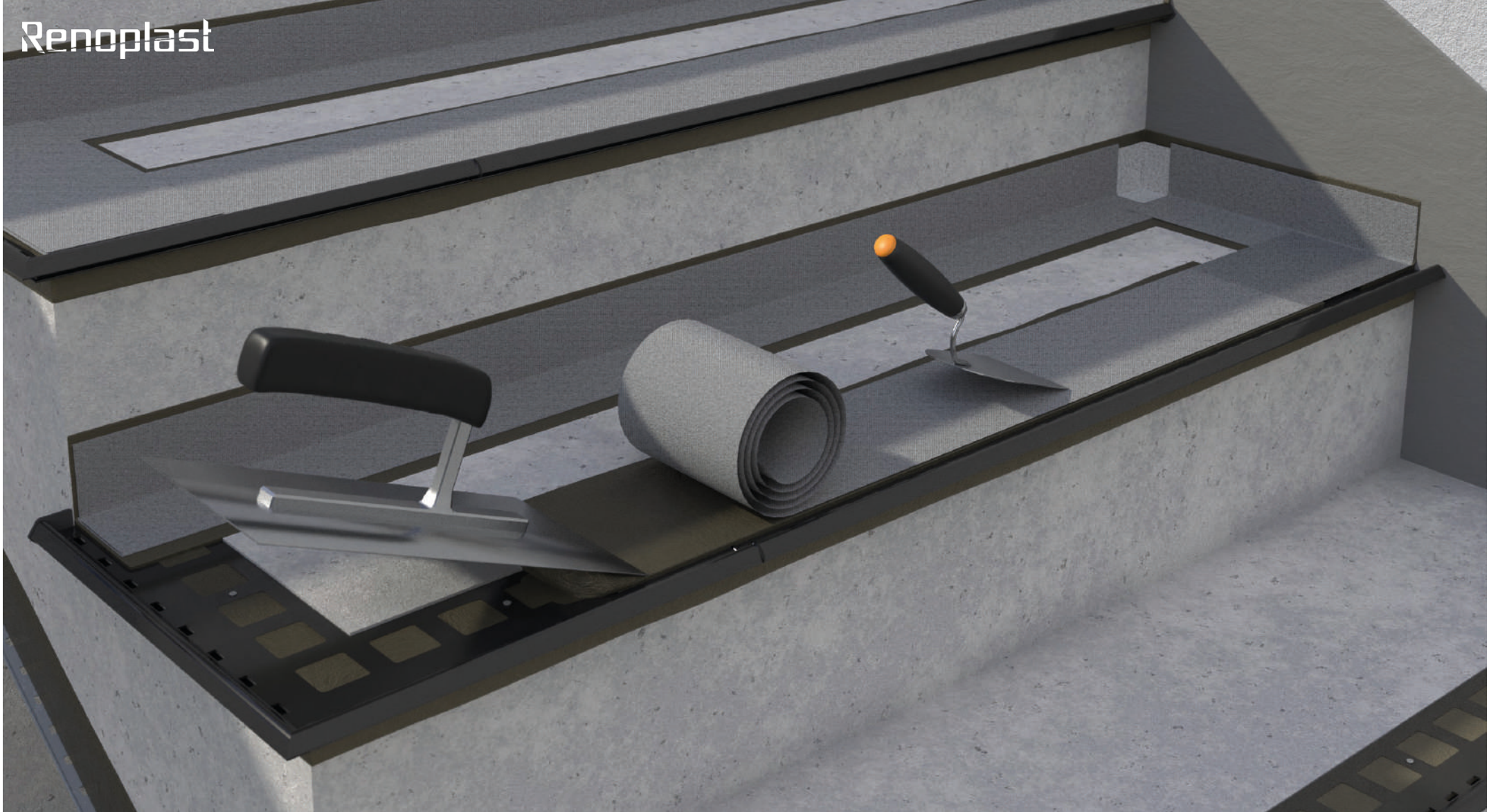
Fixing of V LED 90 external corners assembled together with V LED stair edging

V LED 90 external corners assembled together with the step edges should be bedded on the applied resin or sealing slurry and mechanically fixed using the pre-installed plastic plugs. Once the resin or slurry has cured, tighten the plug screws as required.



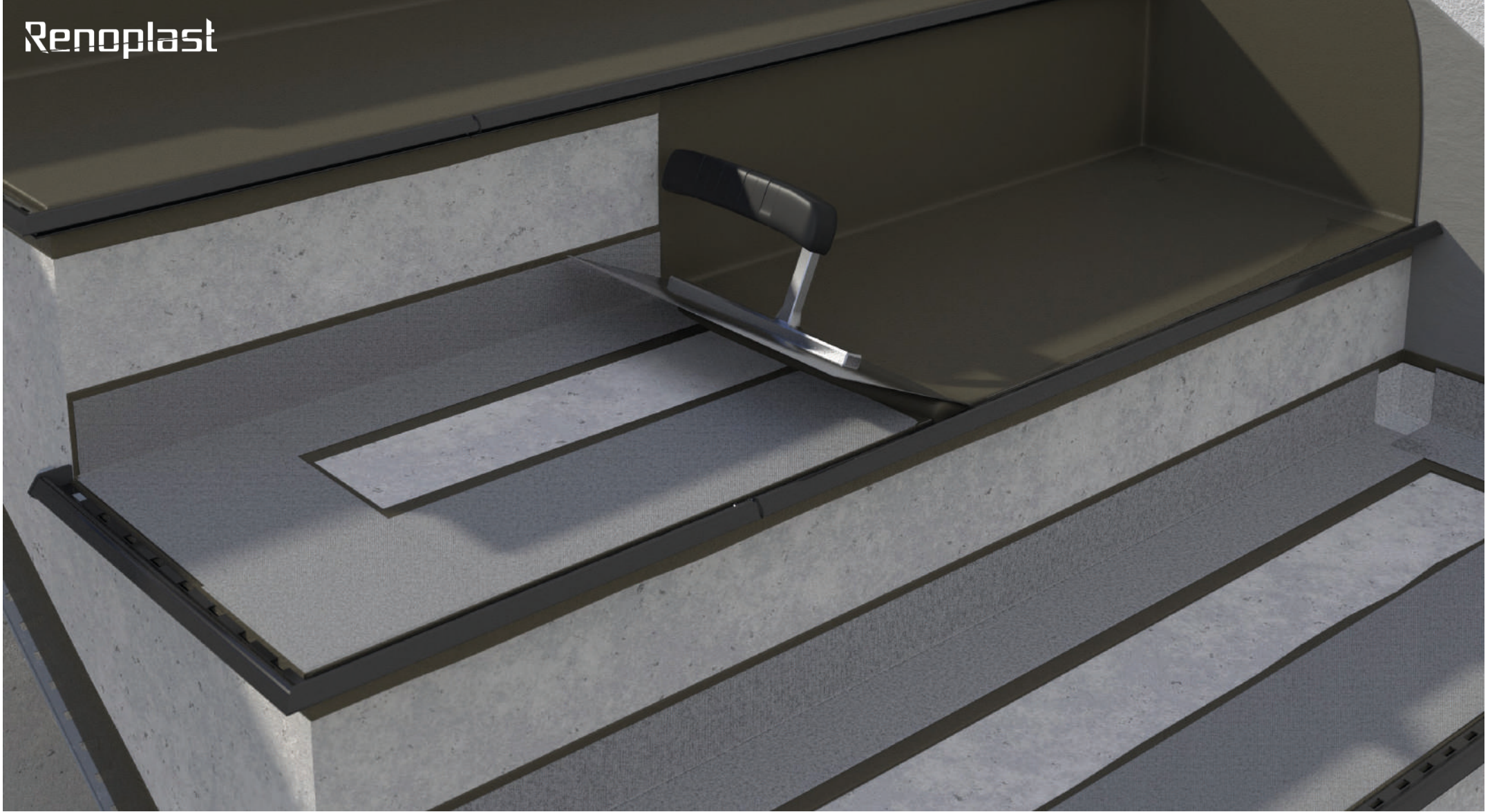
Sealing joints between V LED lengths

Gaps of expansion joints should be filled with polyurethane or other suitable elastic sealant. Exposed ends of **V LED stair edging** should be closed with **V LED end caps**.



Bonding of V LED stair edging with the screed

V LED stair edgings are bonded to the screed using a layer of nonwoven fabric/mesh embedded in resin, or with a tape embedded in the slurry. Follow the manufacturer's recommendations.



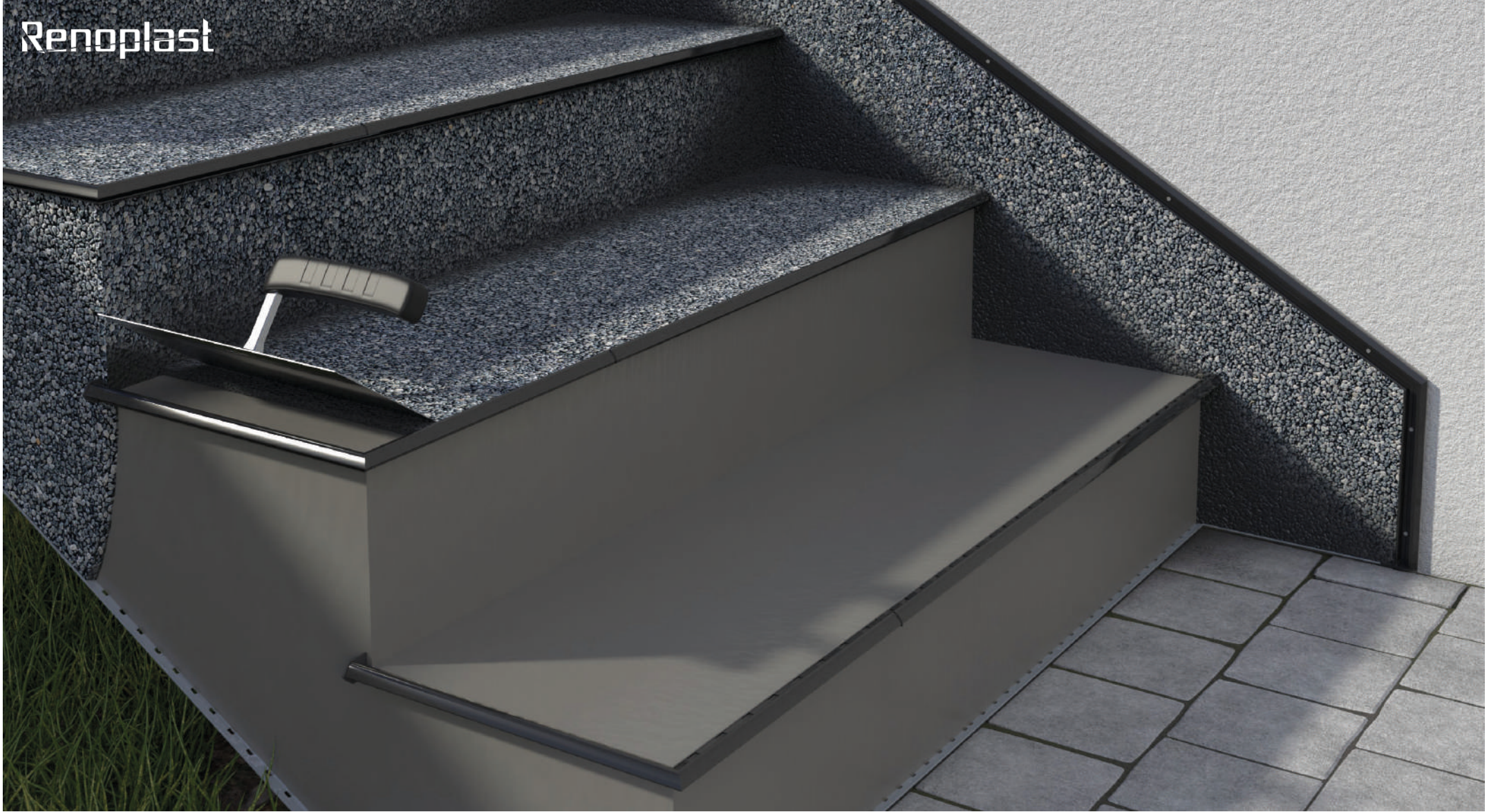
Waterproof sealant application

Apply waterproof sealant (sealing slurry or resin) all over the screed surface, using a roller or notched spreader as per the installation procedure.



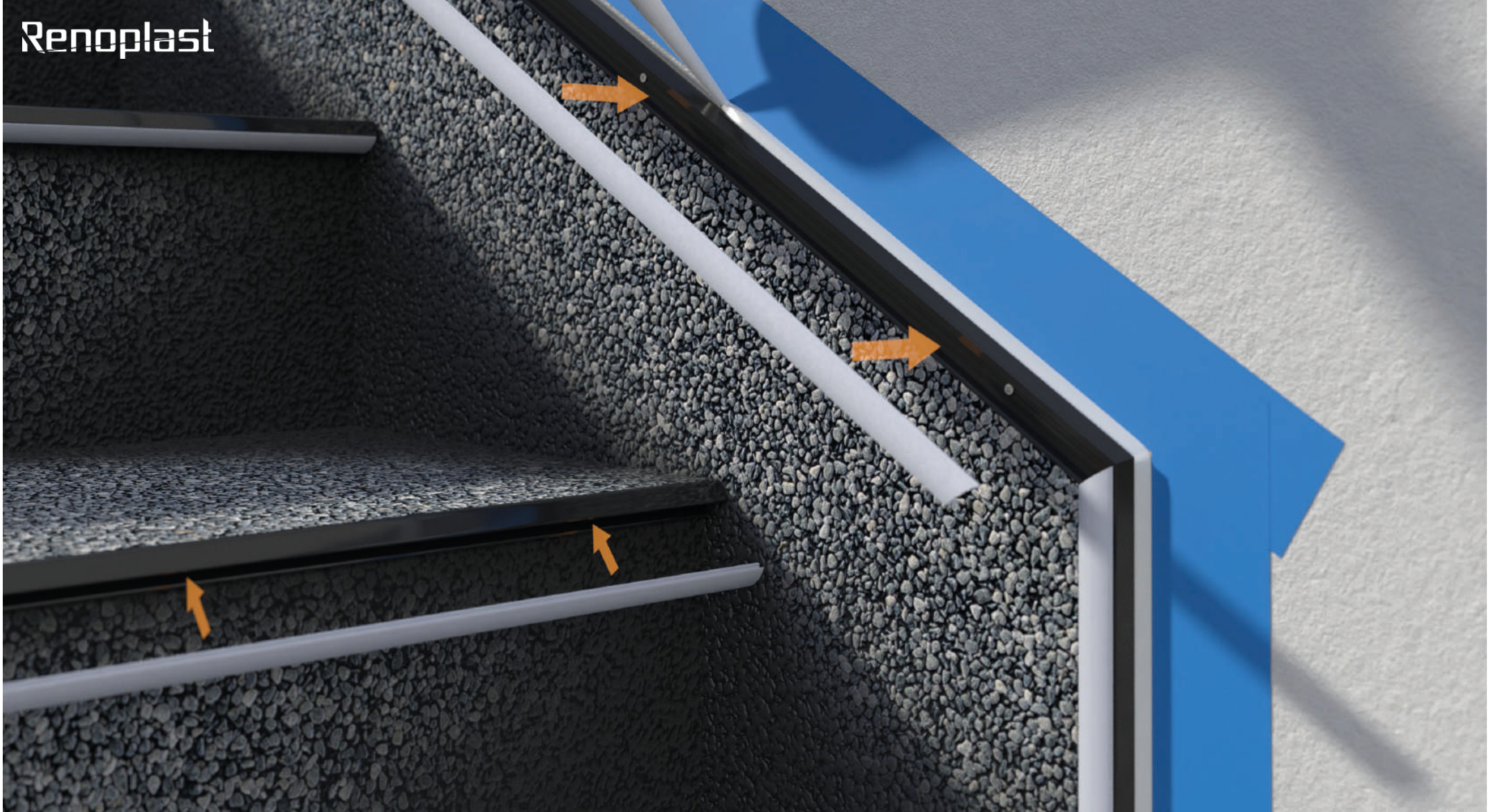
C LED plinth trim installation

On the wall skirting fit **C LED plinth trim** as per the installation procedure.



Laying resin-bound blend

Resin-bound blend may be laid once the waterproof sealant has cured. Follow the resin-bound blend installation procedure.

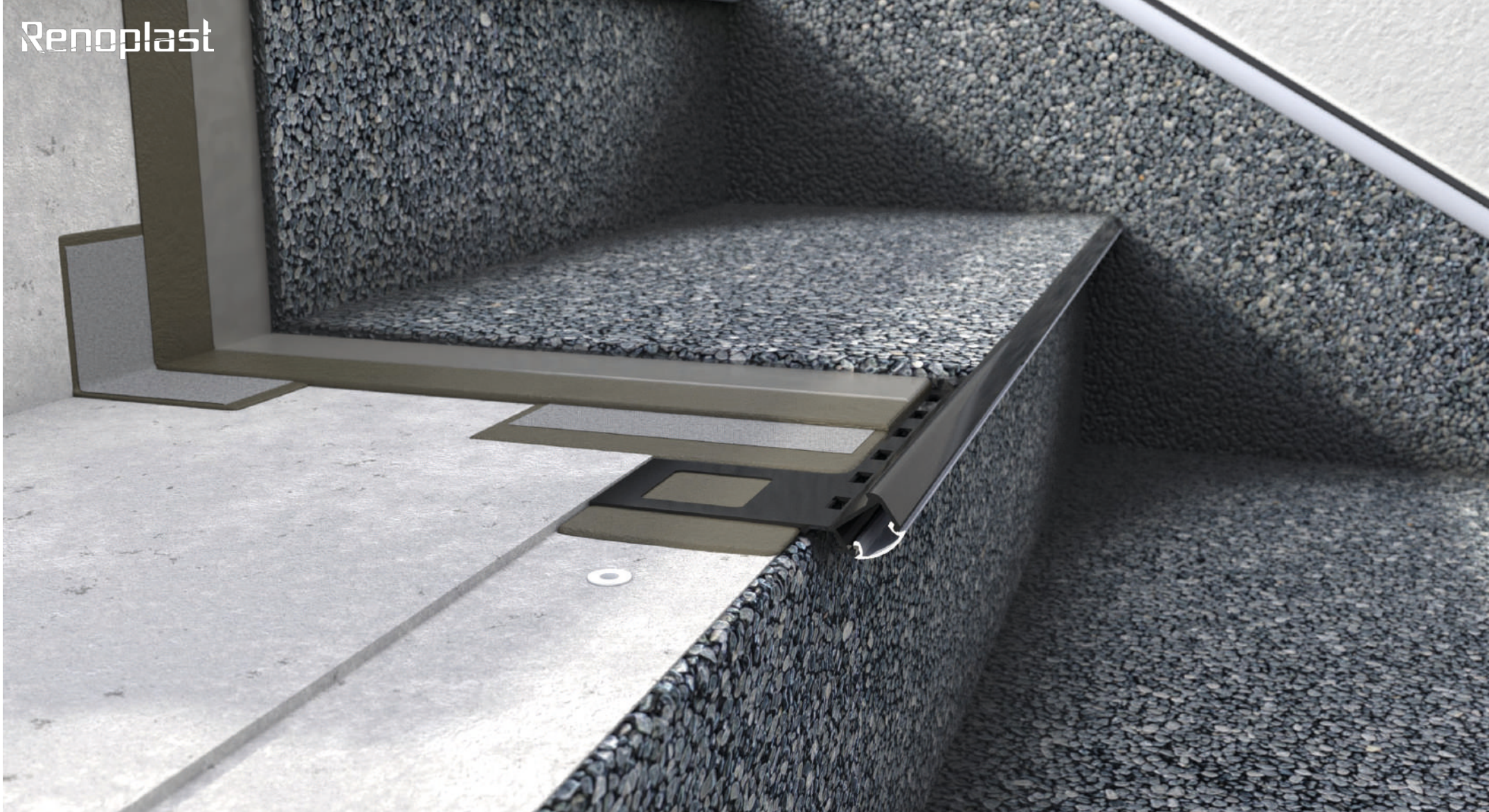


Fitting plastic diffuser covers

As soon as the resin has cured, measure and cut to length the diffuser covers and snap them onto **C LED plinth trims** and **V LED stair edgings**.

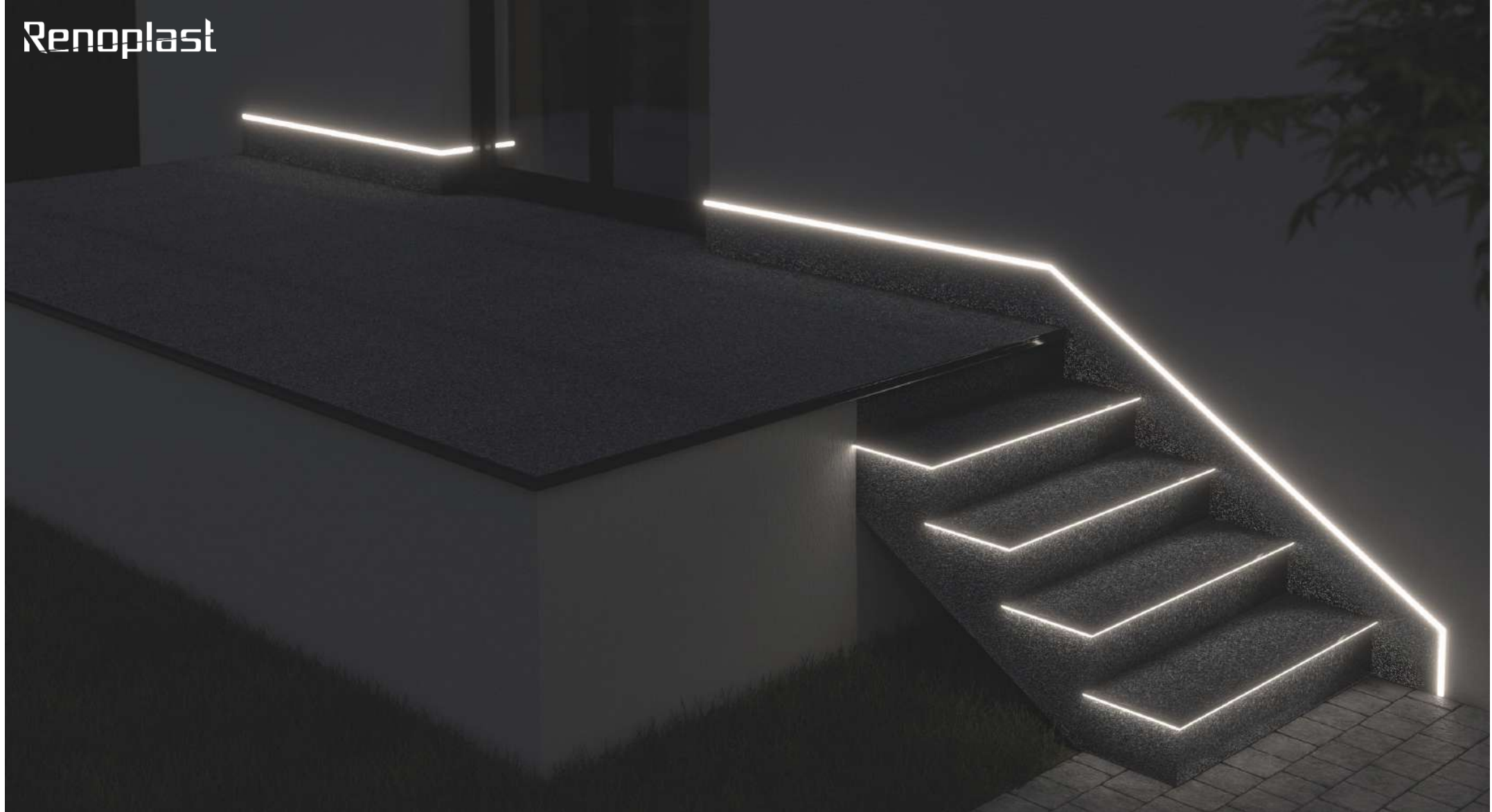


V LED stair edgings are dedicated for trimming stair treads, while the patio or terrace area should be finished with **K20** or **K20R** drip edges.



NOTES:

V LED stair edging has a 10 mm high upstand along the front side to suit pebblestone flooring thickness. The front side features bottom drain holes located as low as possible to ensure efficient drainage of moisture from the resin floor layers. This guide gives some general recommendations for pebblestone flooring systems. Since different systems are available in the market, always follow the manufacturer's guidelines.

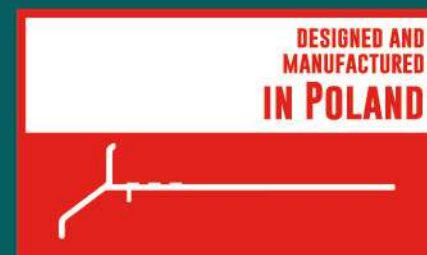


Fitting LED light strip

V LED stair edgings feature a groove allowing installation of a standard LED light strip under the plastic diffuser covers (optional). Before fitting the LED strip lay adequate power cables.



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